Samsung GALAXY Note™

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

SAMSUNG

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

• The earSmart voice processor in your phone captures your voice and all the sounds around you.

• Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.

• It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.

• With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

Table of Contents

Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your Voicemail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top side of your phone (1).
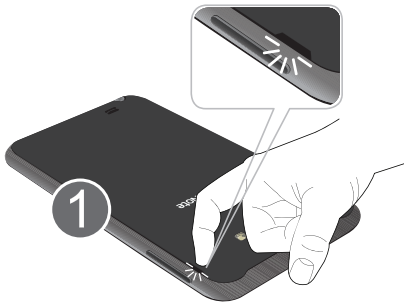
2. Lift the cover up and away from the phone (2).
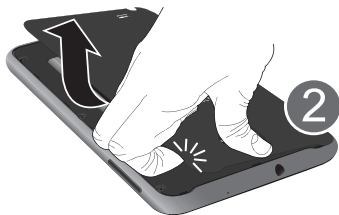
Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

■ Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.

 • Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing and Removing the Memory Card

Your phone lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone was tested to support up to a 32GB memory card.

1. Push the microSD card into the slot until it clicks.

 • Make sure the microSD's gold contact pins face downward and the card is securely inserted.

2. To remove, push on the memory card until it clicks and is released. Then grasp the memory card and remove it from the phone.

For more information on Memory Cards, see *"Memory Card"* on page 49.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).

2. Gently press down to secure the battery (2).

Installing the Back Cover

1. Place the battery cover onto the back bottom of the phone (1) and press down (2).

2. Press all along the edge of the back cover until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your phone. Use only Samsung-approved batteries and chargers.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.

2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! Your touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. see *"Standard Limited Warranty"* on page 215.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon (■) blinks and the phone sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your phone's display. Solid color (▮) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Press and hold ▭ ⊙ (on the upper right side of the phone) until the phone switches on.

2. Sweep your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 114.

3. To switch off the phone, press and hold ⬤⬤⬤⬤⬤ ◎, until the **Device options** screen displays.

4. Tap **Power off**, then tap **OK** to switch off the phone.

Restarting the Phone

1. Press and hold the Power button until the **Device options** screen displays.

2. Tap **Restart**.

Locking and Unlocking the Touch Screen

1. When the phone is turned on, press ⬤⬤⬤⬤⬤ ◎ to lock the touch screen.

2. To unlock your phone, press ⬤⬤⬤⬤⬤ ◎ to display the lock screen then sweep your finger across the screen in any direction to unlock the phone.

Setting up your Phone with Ready2Go

When you turn on your phone for the first time, you will be prompted to setup the AT&T Ready2Go feature.

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features.

1. When the **Fast & Easy Phone Set-Up** screen displays, tap **Select Language** if you want to change the default language.

2. Touch **Get Started** to begin.

   – or –

   Touch **Cancel** to set up your phone later. You can access Ready2Go by tapping **Applications** ▦ ➔ **AT&T Ready2Go** 🔲.

3. Read and follow the instructions on each screen.

Creating a Samsung Account

An active Samsung account is required to begin accessing various applications. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. In a single motion, touch and drag the Status bar downward to display the Notifications panel, then tap (Samsung account).

2. Tap **Create new account**.

3. Tap **Terms and conditions** to read them and tap **OK**.

4. Tap the **I accept all the terms above** checkbox.

5. Tap **Privacy policy** and read the policy and tap **OK**.

6. Tap **Agree**.

7. Enter the required information and tap **Sign up**.

8. At the Welcome screen, tap **Next**.

9. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your phone to the fullest extent, you will need to create a Google™ Account when you first use your phone. With a Google Account, Google applications will always be in sync between your phone and computer.

After you start your phone for the first time, follow these steps:

1. From the Home screen, tap **Applications** → **Gmail**.

   The **Add a Google Account** screen displays.

2. Tap **New** to create a new Google account.

   – or –

   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.

3. Follow the on-screen instructions to add a Google Account.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I don't know my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap 📞, then tap 🔵.
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap 📞, then tap 🔵. You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.
   You are connected to your Voicemail.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that display when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- 4G LTE network with 1.5 gigahertz dual core processor
- High Speed Packet Access Plus (HSPA+) delivering data speeds faster than the current 3G network technology.
- Brilliant 5.3" wide-screen HD Super AMOLED™ display
- Android v 4.1.2, Jelly Bean Platform
- S Note and S Pen apps provide free-flowing input techniques
- Touch screen with virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and Wi-Fi technology
- USB Tethering-capable

- AT&T GPS Navigation functionality provides real-time navigation
- 8 Megapixel Camera and Camcorder with autofocus, LED Flash, and digital zoom
- 2 Megapixel Front Facing camera
- AT&T GPS Navigation functionality provides real-time navigation
- microSD card compatibility with up to 64GB expandable memory slot
- Sync and update social network applications
- AllShare™ to share your media content across DLNA certified devices
- Over 650,000 Apps available to download from the Play Store™
- Access to Movies and TV Shows with Samsung Media Hub
- Google Video Chat via Google Talk
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Corporate and Personal Email
- AllShare™ Play to share your media content across DLNA certified devices

Front View of Your Phone

1. **External speaker**: allows you to hear the caller.
2. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
3. **Primary shortcuts**: allows quick access to important features such as Phone, Calendar, Email, Browser, and Apps. For more information, refer to *"Primary Shortcuts"* on page 20.
4. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
5. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display your recently used applications and a shortcut to the Task Manager.
6. **Back key**: allows you step backwards when navigating a menu or web page.
7. **Search key**: allows you to access the Google Search feature where you can search for items on the internet.
8. **Home screen indicator**: shows which Home screen is presently displayed.

9. **AccuWeather Widget**: displays a five-day forecast for any city you select along with weather and conditions. Tap the widget to set up the weather for a desired city or your current location.

10. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, time, date, etc.

11. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.

12. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off. Also used for some Camera settings.

Side Views of Your Phone

Left Side   Right Side
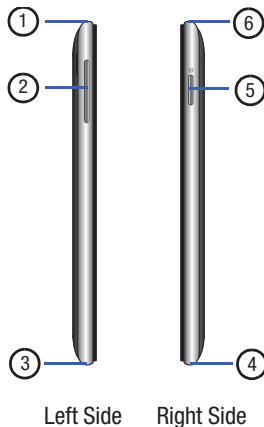
1. **Microphone**: balances the sound when speaking on the phone or recording audio.
2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key (⬛━━━━━⬛) to mute the ring tone.
3. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
4. **Microphone**: records sound when creating a video.
5. **Power/Lock key**: (⬛━━━━⬛ ○) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 34.
6. **3.5mm Headset jack**: allows you to plug in headphones.

Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **Flash**: is used to provide adequate light when taking pictures in dark places.
3. **External speaker**: allows you to hear when the Speakerphone is turned on.
4. **S Pen**: a built-in stylus that allows you to perform various functions. For more information, refer to *"S Pen"* on page 18.

S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.
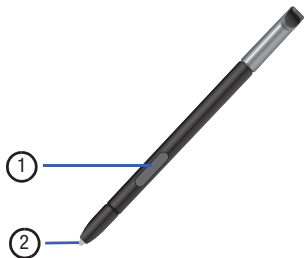
1. **Pen button**: by pressing the Pen button, you can add functionality to the S Pen. For more information, refer to *"Using the S Pen"* on page 19.

2. **Stylus tip**: the tip of the S Pen is used for tapping the screen.

Removing the S Pen from your Phone

The S Pen is stored in your phone to make it easier to keep track of.

To remove the S Pen, follow these steps:

1. Use your fingernail or a sharp object to pull the end of the S Pen out of the phone (1).
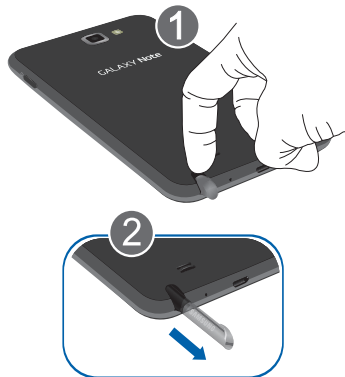
2. Pull the S Pen out of the phone (2).

Using the S Pen

There are several different functions you can perform by using the S Pen.

Launch S Note Lite

S Note Lite is an application that you can launch from any screen to take quick notes or jot down ideas. To open S Note Lite, hold the S Pen button and double-tap the screen.

Press and Hold
S Pen button

Screen Capture

To take a screen capture, hold the S Pen button and press and hold the S Pen anywhere on the screen. Files are saved in the **My files ➔ All files ➔ sdcard0 ➔ Pictures ➔ Screenshots** folder. You can also find them in your Gallery in the Screenshots album.

Press and Hold
S Pen button
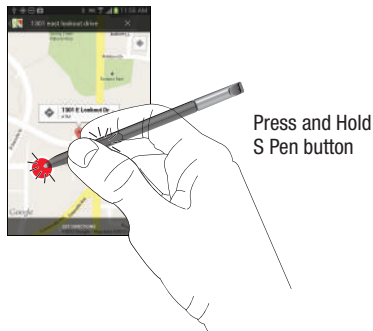
Write on any Screen after Capture

To write on a screen capture, use the pen to draw or write. Files are saved in the **My Files ➔ All files ➔ sdcard0 ➔ Pictures ➔ Screenshots** folder.

Draw or Write

For information on using your S Pen with the S Note application, see *"S Note"* on page 187.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 15.

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Primary Shortcuts

There are five non-movable Application Shortcuts that display at the bottom of all Home screens. The default shortcuts are:

Phone for dialing a number. For more information, refer to *"Making a Call"* on page 46.

Calendar for recording events and appointments to manage your schedule. For more information, refer to *"Calendar"* on page 172.

Email for sending and receiving email from your phone. For more information, refer to *"Using Email"* on page 107.

Browser for surfing the Internet. For more information, refer to *"Web"* on page 149.

Apps for accessing the applications on your phone. For more information, refer to *"Applications"* on page 165.

While viewing the Applications Menu, the Application shortcut changes to **Home**, which returns you to the Main screen.

You can change the Phone, Email, and Browser application shortcuts to any icon that displays in the Applications menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 38.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when Blocking mode is enabled.

Displays when there is a system error or alert.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call was missed.

Displays when a call is muted.

Displays when Call forwarding is set to Always forward.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Critical – Shows your current battery only has three percent power remaining and will immediately shutdown.

E↓↑	Displays when your connection to an EDGE network is active.
E↓↑	Displays when your phone is communicating with the EDGE network.
4G	Displays when your connection to a UTMS, HSDPA, HSPA, or HSPA+ network is active.
4G🔊	Displays when your phone is communicating with the UTMS, HSDPA, HSPA, or HSPA+ network.
4G LTE	Displays when your connection to a 4G LTE network is active.
4G LTE🔊	Displays when your phone is communicating with the 4G LTE network.
↓	Displays when your phone is downloading a file.
✓	Displays when a Play Store download was successfully installed.
↓	Displays when updates are available for download.

⟨+	Displays in the notifications window when there are too many on-screen notification icons to display. Tap to show more notifications
⋔	Displays when the phone is connected to your computer as a media device.
⋔	Displays when the phone is tethered via a supported USB cable connection.
💬	Displays when a new text or multimedia message is received.
📼	Displays when a new Voicemail is received.
✉@	Displays when Email is received.
✉	Displays when a new gmail message is received.
Ⓢ	Displays in the notifications window when action is required within the Samsung account application.
⚙	Displays as a reminder to configure your phone using the AT&T Ready2Go application or to setup your Google Account.

1	Displays when the time and date for a Calendar Event has arrived.		Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).
	Displays when you set an alarm to ring at a specified time.		Displays when Wi-Fi Direct is active and your phone is connected to another device.
	Displays when the Sound profile is set to Silent. All sounds are silenced.		Displays when the external SD card (internal microSD) is disconnected (unmounted) from the phone and is ready for removal or formatting.
	Displays when the Sound profile is set to Silent and Vibrate mode. All sounds except media and alarms are silence.		Displays when an SD card is blank or unformatted.
	Displays when Bluetooth is activated.		Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare application.
	Displays when a Bluetooth device is paired with the phone.		Displays when your phone as been configured as a portable Wi-Fi hotspot.
	Displays when Bluetooth is on but is not connected to a Bluetooth device.		Displays when GPS is active and acquiring a signal.
	Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).		

	Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.
	Displays when your phone is connecting to the Device Management server when you first turn on your phone.
	Displays when a screen capture has been taken.
	Displays when the keypad is active.
	Displays when the AT&T DriveMode application is turned on.
TTY	Displays when a TTY device is inserted.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 114.

Application Icons

The Application menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Applications icons, see *"Navigating Through the Application Menus"* on page 35.

1. From the Home screen, tap ⊞, then tap one of the application icons.

2. Follow the on-screen instructions.

3. To return to the Home screen, tap ⬠.

The following applications are available:

AllShare Play: AllShare Play allows your phone to stream photos, music and videos from its memory to other Digital Living Network Alliance (DLNA) certified devices. Your phone can also play digital content streamed from other DLNA certified devices. For more information, refer to *"AllShare Play"* on page 165.

Amazon Kindle: This application allows you to download books, magazines, and newspapers to read on your phone. For more information, refer to *"Amazon Kindle"* on page 168.

AT&T Code Scanner: AT&T Code Scanner allows you to scan 2D (QR and datamatrix codes) and 1D (UPC and EAN) barcodes found in magazines, stores, and online. For more information, refer to *"AT&T Code Scanner"* on page 168.

AT&T DriveMode: With the AT&T DriveMode application, you can set your phone to auto reply when you are driving and don't want to answer the phone. You can set auto reply to Messages, Emails, and Phone Calls. You can also allow up to five of your contacts to contact you while you are in Drive mode. For more information, refer to *"AT&T DriveMode"* on page 169.

AT&T FamilyMap: provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private. For more information, refer to *"AT&T FamilyMap"* on page 170.

AT&T Locker: AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud. For more information, refer to *"AT&T Locker"* on page 81.

AT&T Navigator: AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches based on a variety of category parameters. For more information, refer to *"AT&T Navigator"* on page 170.

AT&T Ready2Go: AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"AT&T Ready2Go"* on page 171.

AT&T Smart Wi-Fi: With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use. For more information, refer to *"AT&T Smart Wi-Fi"* on page 171.

Browser: Open the web browser to start surfing the internet. For more information, refer to *"Web"* on page 149.

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 171.

Calendar: With the Calendar application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"Calendar"* on page 172.

Camera: Use your 8.0 megapixel camera feature to produce photos in a JPEG format. For more information, refer to *"Camera"* on page 92.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 112.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 174.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. For more information, refer to *"Contacts and Your Address Book"* on page 70.

Crayon Physics: Crayon Physics is a game the uses two-dimensional physics, including gravity, mass, kinetic energy and transfer of momentum. For more information, refer to *"Crayon Physics"* on page 177.

DeviceHelp: DeviceHelp provides online information to help with your phone questions. For more information, refer to *"DeviceHelp"* on page 177.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 177.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 107.

Flipboard: This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. For more information, refer to *"Flipboard"* on page 178.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 178.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 109.

Google: The Google Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *"Google Search Bar"* on page 31.

Google +: Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google +"* on page 179.

Live TV: Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 179.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 179.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 179.

Media Hub: Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 180.

Messages: AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 112.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 100.

Messenger: Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 181.

Mini Diary: The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook and MySpace. For more information, refer to *"Mini Diary"* on page 181.

Mobile Hotspot: This application allows you to share your phones's mobile data connection as a portable Wi-Fi hotspot. For more information, refer to *"Tethering & portable hotspot"* on page 118.

Music Player: The Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 84.

My Files: My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 182.

myAT&T: MyAT&T allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new phone, or change your rate plan. For more information, refer to *"myAT&T"* on page 183.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 183.

Paper Artist: Provides access to an in-device graphics program. For more information, refer to *"Paper Artist"* on page 184.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 46.

Play Books: With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 185.

Play Magazines: With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place. For more information, refer to *"Play Magazines"* on page 185.

Play Movies & TV: With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 83.

Play Music: With the Google Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 87.

Play Store: The Google Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 186.

Polaris Office 4.0: Polaris® Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to *"Polaris Office 4.0"* on page 186.

S Note: The S Note application allows you to create notes using the keypad, the S Pen tool, or both. You can add images, voice recordings, and text all in one place. For more information, refer to *"S Note"* on page 187.

S Suggest: This application recommends popular applications when connected to a Wi-Fi network. All recommended applications are guaranteed to be compatible with your device. For more information, refer to *"S Suggest"* on page 187.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 114.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Talk"* on page 188.

Video Player: The Video Player application plays video files stored on your microSD card. For more information, refer to *"Video Player"* on page 88.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 188.

Voice Search: The Google Voice Search application allows you to search the web using only your voice. For more information, refer to *"Voice Search"* on page 189.

Voice talk: With the Voice talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"Voice Talk"* on page 190.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 190.

YPmobile: The YP (Yellowpages) application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time. For more information, refer to *"YPmobile"* on page 191.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 37.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main Home screen, sweep the screen to the left to bring up the next Home screen.

2. Tap the Google Search bar [Google 🎤].

3. Use the on-screen keypad to enter the item you want to search for, then tap 🔍.

4. Tap 🎤 to use Google Voice Search. Follow the on-screen instructions.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has seven home screens.

Command Keys

Menu Key

Press 🔲 **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press ⌂ **Home** to display the Home screen. Press and hold to display your recently used applications and a shortcut to the Task Manager.

Back Key

Press ⬅ **Back** to return to the previous screen, option or step.

Search Key

Press Q **Search** to launch Quick Search, to search the web and your phone.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Sweep

To sweep, lightly drag your finger vertically or horizontally across the screen. Use sweep when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

Pan

To pan, touch and hold a selected icon, then move the phone to the left or right to reposition it to another page. You must first activate Motion on your phone. Use panning to:

- Move icons on your Home screens or Application Menus to another page.

For more information, refer to *"Motion"* on page 141.

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the phone back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Motion"* on page 141.

Using Gestures

By activating the various gesture features within the Motion Settings menu, you can access a variety of time saving functions.

To activate motion:

1. From the Home screen, press ☰ and then tap **Settings ➔ Motion**.

2. Tap the ON/OFF icon ![ON] located at the top of the screen to activate motion.

3. Tap the checkboxes located to the right of each motion option to activate the motions you wish. A checkmark will appear.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap ![grid] ➔ **Settings** ➔ **Motion** ➔ **Learn about hand motions**.

The following is a description of the available gestures:

• **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.

• **Smart alert**: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.

• **Double tap to top**: Once enabled, double tap the top of the device to be taken to the top of the current on-screen list.

• **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.

• **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.

• **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.

• **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.

• **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

- **Palm swipe to capture**: Once enabled, you can capture any on-screen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.

- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

For more information, refer to *"Motion"* on page 141.

Locking and Unlocking the Phone

To lock your phone:

1. Press the lock button 🔒 ⊙ located on the upper right side of your phone.

The screen should go blank.

To unlock your phone:

1. Press the lock button 🔒 ⊙ located on the upper right side of your phone.

The last screen that you were on, should be displayed.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing 🏠.

Navigating Through the Home Screens

Your phone initially has seven home screens. If you like, you can place different applications on each of the home screens.

■ From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with three Home screens on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap [icon]. The first Application Menu displays.

2. Sweep the screen left or right to access the other menus.

3. Tap one of the application icons.
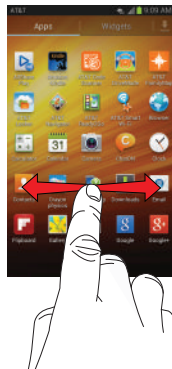
Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Web.

To access a sub-menu:

1. Press ![home menu icon].

A sub-menu displays at the bottom of the phone screen.

2. Tap an option.

![phone showing sub-menu items with + Add apps and widgets, Create folder, Set wallpaper, Edit page, Search, Settings]

Sub-Menu items

Accessing Recently-Used Applications

1. Press and hold ![home icon] from any screen to open the recently-used applications window.

2. Tap an icon to open the selected application.

– or –

Tap ![task manager icon] to go to the Task manager.

– or –

Tap ![8 icon] to go to Google Search. For more information, refer to *"Google Search Bar"* on page 31.

3. When selecting Task manager ![task manager icon], the following options are available:

- **Active applications** display those currently active applications running on your phone.

- **Downloaded** displays any installed packages or applications from the Play Store that are taking up memory space. Tap Uninstall to remove them from your phone.

- **RAM**, which displays the amount of current RAM (Random Access Memory) currently being used and allow you to Clear Memory.

- **Storage** displays a visual graph indicating the available and used space within the System storage, USB storage, and external SD card.

- **Help** provides additional battery saving techniques.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press ⬆ to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap ▦ to display your current applications.

4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press ⬆ to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. From the **Home screen** window, tap **Apps and widgets**, **Folder** or **Page**.
5. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press ⬆ to activate the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.

3. Drag the icon up to the **Remove** icon 🗑 and release it. Both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Applications** ▦ and **Home** ⌂ shortcuts.

1. Press ⌂ to activate the main Home screen.

2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.

3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.

4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Applications tab or on the main or extended Home screens. Unlike a shortcut, the Widget displays as an on-screen application.

Adding a Widget

1. Press ⌂ to activate the Home screen.

2. Navigate to the desired Home Page.

3. Touch and hold on an empty area of the screen.

4. From the **Home screen** window, tap **Apps and Widgets**.

5. Tap the **Widgets** tab at the top of the screen.

6. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.

2. Drag the Widget over the **Remove** icon 🗑 and release it. Both items will turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Applications Menu

1. Press ⌂ to activate the Home screen.
2. Tap ⊞ to display your current applications.
3. Press ▤ and tap **View type**.
4. Tap **Customizable grid**. A green circle displays next to the option.
5. Press ▤ and tap **Edit**.
6. Scroll through the list and locate the icon you wish to move.
7. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
8. Tap **Save**.
9. Press ⌂ to return to the main Home screen.

Deleting Icons from the Applications Menu

You may only delete application icons that you have added yourself.

1. Press ⌂ to activate the Home screen.
2. Tap ⊞ to display your current applications.
3. Press ▤ and tap **Edit**.
4. Press and hold an application that you would like to delete from the Applications menu and drag it up to the **Uninstall** 🗑 icon.
5. At the Uninstall prompt, tap **OK**.
   The application is deleted.

Note: If you would like to get an application that you have previously deleted, use the Google Play Store to download it. For more information, refer to *"Play Store"* on page 186.

Creating and Managing Folders

Folders are located on any of the seven available Home screens and can contain both files (such as data and images) and Contact information or entries.

To create a folder on-screen follow these steps:

1. Press ⌂ to activate the Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. From the **Home screen** window, tap **Folder**.
5. Enter a name for your folder and tap **OK**.
6. You can now move items to your new folder.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

2. From the **Home screen** window, tap **Set wallpaper**.

3. Select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.

4. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.

5. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

Moving Home Screens

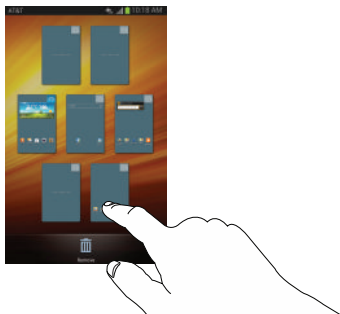Your phone comes with seven Home screens. You can arrange the screens in any order that you want.

To move a Home screen, follow these steps:

1. Press ⌂ to activate the Home screen.

2. Press ▤ and tap **Edit page**.

3. Touch and hold the Home screen you want to move.
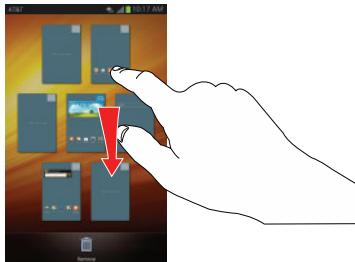
4. Drag it to the location that you would like to place it.

   In the following example, the second Home screen is moved to the last position.

   When you move a Home screen, the other Home screens re-order automatically.

5. Press ⬠ to return to the main Home screen.

Adding and Deleting Home Screens

You can delete Home screens and then add Home screens later if you want.

To delete a Home screen, follow these steps:

1. Press ⬠ to activate the Home screen.
2. Press ▤ and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.

4. Drag the screen down to the **Remove** icon 🗑 and release it.
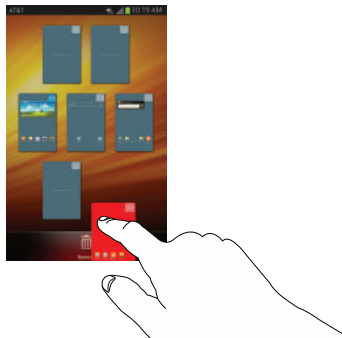
5. If there are items on the Home screen that you want to delete, the **Delete home screen page** prompt displays.

6. Tap **OK** to remove the page, otherwise, tap **Cancel**.

7. Press ⬠ to return to the main Home screen.

To add a Home screen, follow these steps:

1. Press ⬒ to activate the Home screen.

2. Press ▤ and tap **Edit**.

3. Tap the Home screen that contains ➕.

   A new screen is added.
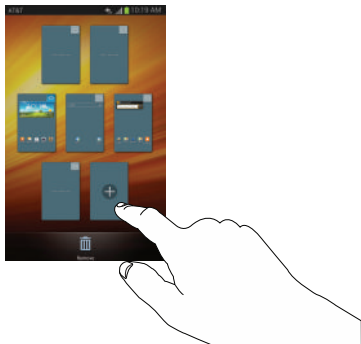
Note: The ➕ icon will only be displayed if a Home screen has previously been deleted.

4. Press ⬒ to return to the main Home screen.

   You can now add items to your new Home screen.

Notification Panel

The Notification Panel includes a pull-down list to show information about processes that are running, recent notifications, and alerts.

To display the Status indicator, follow these steps:

■ On the Home screen, touch and drag the Status bar downward until the Notification Panel displays.

Clearing Notifications

To clear all notifications from the Notification panel, follow these steps:

1. From the Home screen, touch and hold the Status Bar, then drag downward until the Notification panel displays.
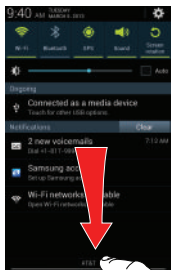
2. Tap the **Clear** button.

   The notifications clear and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that will be displayed.
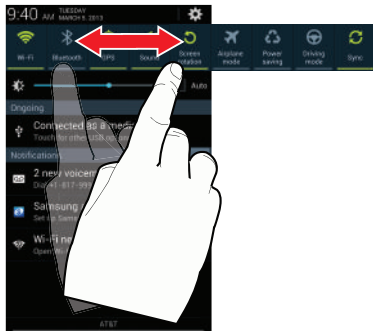
The following functions (default) can either be activated (green) or deactivated (gray): Wi-Fi, Bluetooth, GPS, Sound, Screen rotation, Airplane mode, Power saving, Driving mode, and Sync.

Memory Card

Your phone lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible device's. This section addresses the features and options of your phone's SD functionality. The phone has a USB SD card mode.

Mounting the SD Card

To store photos, music, videos, and other applications. You must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

Important! You must disable USB storage to mount the SD card.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Installing and Removing the Memory Card"* on page 7.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Storage**.
2. Tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Installing and Removing the Memory Card"* on page 7.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Storage**.
2. The available memory is displayed for **Total space** and **Available space** under the **SD card** heading.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 44.
2. From the Home screen, tap ▦ ➔ **Settings** ➔ **Storage**.
3. Tap **Format SD card**.
4. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

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5. Tap **Delete all** to format or press ⏎ to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Call Settings"* on page 58.

Displaying Your Phone Number

■ Tap ▦ ➔ **Settings** ➔ **About phone** ➔ **Status**. Your phone number displays in the **My phone number** field.

Making a Call

1. From the Home screen, tap 📞 and use the on-screen keypad to enter the number you wish to dial.
2. Tap 📞 to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 58.

Quick Dialing from the Contacts List

1. From the Home screen, tap Contacts 👤.
2. Find a contact in the list, then swipe your finger to the right over the number to place a call to this recipient.

Making an International Call

1. From the Home screen, tap 📞, then touch and hold 0 + . The **+** character displays.
2. Use the on-screen keypad to enter the country code, area code, and phone number. If you make a mistake, tap ⌫ until the desired numbers are deleted.
3. Tap 📞 to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap 📞 and use the on-screen keypad to enter the phone number.
2. Press ▤ to display the dialer sub-menu.
3. Tap **Add 3-sec pause** to add a three-second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple three-second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap <img_icon> to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 72.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

After entering a number using the keypad:

■ Tap <img_icon> to erase a single number.
 – or –

 Press and hold <img_icon> to erase a string of numbers.

Ending a Call

■ Tap the <img_icon> key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name also displayed.

1. From the Home screen, tap <img_icon>.
2. Tap the **Logs** tab.
 A list of recent calls displays.
3. Tap the desired Contact to enter the **Details** page, then tap <img_icon> to make a call.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. Tap <img_icon> ➔ <img_icon> to display your Contacts List.
2. Press <img_icon> to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 2 through 9. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Contacts** screen displays.

6. Select a contact to assign to the number. The selected contact number displays in the speed dial number box.

7. Press ▣ to display the Speed Dial sub-menu and remove a speed dial number or change the order.

8. Tap **Change order** or **Remove**.

9. Tap 📞 ➔ **Keypad** and from the Dialer, touch and hold the speed dial number to make a call.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 73.

Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   • Touch and drag 📞 in any direction to answer the call.
   • Touch and drag 📵 in any direction to reject the call and send it to your voicemail.

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• Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
  – I'm driving
  – I'm at the cinema
  – I'm in class
  – I'm in a meeting
  – Sorry, I'm busy. Call back later.

– or –

  – Tap **Create new message** to compose a new message.

2. Tap 🔴 to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping 📱 ➔ **Keypad**. From the main Contacts page or from the Dialer, the following tabs are located at the top of your screen:

• **Keypad**: dials the current number entered using the on-screen keypad.

• **Logs**: displays a list of all dialed, received, and missed calls.

• **Favorites**: displays your contacts that you have marked as Favorites. Also displays frequently called numbers.

• **Contacts**: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option displays so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap 📱.

2. Tap the **Logs** tab.

A list of recent calls displays. If the number or caller is listed in your Address Book, the associated name displays.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**: ⬅
- **Outgoing Calls**: ➡
- **Missed Calls**: ✖
- **Rejected Calls**: ⊘
- **Auto Rejected Calls**: ⊘A

Viewing Missed Calls from the Home Screen

The number of calls you missed displays on the Home screen.

1. Tap the missed call icon with the number of missed calls on it and move it in any direction.

Note: If there is a voicemail or message sent by the same number, associated icons display and are selectable.

2. The Call log displays. Missed calls are identified by the ✖ icon next to the number.

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap 📞 ➔ **Logs**.

   A list of recent calls displays. If the number or caller is listed in your Address Book, the associated name displays.

2. Tap the desired missed call. The call detail page displays.

3. Tap 📞.

Saving a Recent Call to your Address Book

1. From the Home screen, tap 📞 ➔ **Logs**.

   A list of recent calls displays.

2. Tap the call you want to save to your Address Book.

3. The call detail page displays. Tap **Create contact** to add the call to your Address Book.

   The Create contact screen displays.

   – or –

   Tap **Update existing** if you want to replace the number for an existing contact.

Add as new contact

Call the number

Update an existing contact
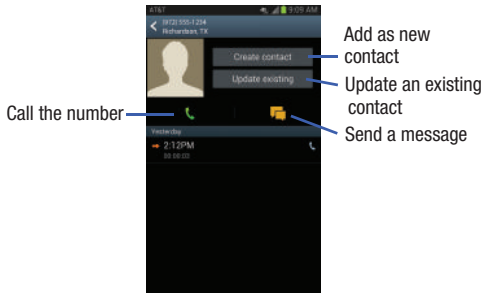
Send a message

4. Enter information into the various fields using the keypad.

5. Tap **Save** when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 70.

Sending a Message to a Recent Call

1. From the Home screen, tap 📞 ➔ **Logs**.
   A list of recent calls displays.

2. Tap the call you want to send a message to.
   The call detail page displays.

3. Tap 📄.

4. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.

5. When you are done with your message, tap **Send**.
   For more information, refer to *"Creating and Sending Messages"* on page 100.

Deleting a Call from the Call Log

1. From the Home screen, tap 📞 ➔ **Logs**.
   A list of recent calls displays.

2. Touch and hold the call you want to delete from the Call log.

3. Tap **Delete**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap 📞 ➔ **Logs**.
   A list of recent calls displays.

2. Touch and hold the call you want to add to the Reject List.

3. Tap **Add to reject list**.
   Future calls from this number are rejected and sent to your voicemail.

Voice Talk

With the Voice Talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, creating a text message, playing music, and more.

1. From the Home screen, tap ▦ ➔ **Voice talk** 🎤.

2. Read the Samsung Disclaimer then tap **Confirm** to continue.

3. Read the Vlingo Terms of Service then tap **Agree** to continue.

4. Read the information on the **About Voice talk** screen, then tap **Next**.

5. Read the information on the **Wake up Voice talk** screen, then tap **Next**.

6. Tap **Change now** if you want to change the phrase you say to automatically wake up Voice talk.

7. Tap **Next**.

8. Speak your command at the Say the command screen and tap **Next**.

9. Read the information on the **What can I say?** screen, then tap **Done**.

10. At the Voice talk screen, tap on an icon for assistance in using Voice command or tap **Tap & Speak** to speak what you would like to do.

11. Follow the on-screen instructions.

Voice Talk Settings

1. From the Home screen, tap ▦ ➜ **Voice talk** 🎤.

2. Press ▤ then selection one of these options:
   • **Set wake-up command**: designates the Voice Talk wake-up commands. Tap Change and follow the on-screen prompts to create a new verbal command.
   • **Driving mode on/off**: activates a verbal readout of all on-screen activity, actions, notifications, and more.

   • **Settings**: Displays the Voice Talk settings screen.

Call Duration

1. From the Home screen, tap 📞.

2. Tap **Logs**.

3. Press ▤ to display the Call log sub-menu.

4. Tap **Call duration**.

5. The following times display for Voice:
   • **Last call**: shows the length of time for the last call.
   • **Dialed calls**: shows the total length of time for all calls made.
   • **Received calls**: shows the total length of time for all calls received.
   • **All calls**: shows the total length of time for all calls made and received.

6. Press ▤ then tap **Reset** to reset the times to zero.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

■ Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

• **Hold**: place the current active call on hold.

• **Add call**: displays the dialer so you can call another person.

• **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).

• **End call**: terminates the call.

• **Speaker**: routes the phone's audio through either the speaker or through the earpiece.

– Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line displays under the Speaker button.

– Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 56.). The green line will turn grey when Speaker is not activated.

• **Mute**: turn the onboard microphone either on or off.

– Tap **Mute** during a call to mute the microphone. A green line displays under the Mute button.

– Tap **Mute** again to unmute the microphone. The green line will turn grey when Mute is not activated.

• **Headset**: connects to a Bluetooth headset.

– Tap **Headset** during a call to activate a Bluetooth headset. A green line displays under the Headset button.

– Tap **Headset** again to de-activate the Bluetooth headset. The green line will turn grey when the Headset is not activated.

• Press for more options:

– **Contacts**: allows you to go to your Contact list.

– **Message**: allows you to write a message during a call.

– **S Note**: allows you to write a note using the S Note app.

– **Noise reduction on/off**: allows you to turn on the Noise reduction feature when you are in a noisy area. Turn it Off when not needed to conserve battery power.

– **One-handed operation on/off**: allows you to set your call screen to one-handed operation by shifting the keyboard to the right.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** ▐▐. This action places the current caller on hold (which displays on-screen as a greyed-out box).
2. You can later reactivate this call by tapping **Unhold**.

To make a new call while you have a call in progress

1. Tap **Hold** ▐▐.
2. Tap **Add call** 🔘 to display the dialer.
3. Enter the new number and tap 📞.

   Once connected, the active call displays in a large box in the middle of your screen and the call on hold displays in a small box in the upper right corner of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call displays in a green box.

2. Tap 📞 to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end displays in a green box.
2. Tap 📞 to end the specific call.
3. Tap 📞 to end the remaining call.

To answer a call while you have a call in progress

1. Touch 📞 and slide to the right to answer another call
2. Tap **Putting "Number or Name" on hold** to put the first call on hold.
3. To switch between the two calls, tap **Swap**.
   • **Swap**: Places the current call on hold and then activates the previous call. The active call displays in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap ![icon] to disconnect the active call.
2. The call on hold, will now become the active call. Tap ![icon] to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Touch and drag ![icon] in any direction to answer the call.
2. Touch and drag ![icon] in any direction to answer the next call.

3. Tap **Putting "Number or Name" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge**.
5. To temporarily leave the conference call, tap **Hold**.
   To rejoin the conference call tap **Unhold**.
6. Tap ![icon] to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** ![icon].
   The **Speaker** button displays as ![icon] and the speakerphone is activated.
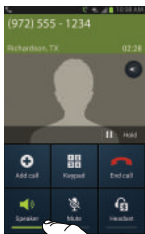
2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.

3. To deactivate the speakerphone, tap **Speaker** 🔊.

Important! For more information, refer to *"Responsible Listening"* on page 207.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** 🔇 .

The **Mute** button displays as 🔇 and Mute is activated.

2. Tap **Mute** 🔇 to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset** 🎧 .

2. The phone will scan for your Bluetooth headset. When found, connect to the headset.

The **Headset** button displays as 🎧 and the Bluetooth headset is activated.

3. Tap **Headset** 🎧 to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press 📧 then tap **Contacts**

2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 73.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

■ From the Home screen, tap 📞 → 📧 → **Call settings** → **Additional settings** →**Call waiting**.

A checkmark will appear in the box when activated. You are notified of an incoming call by a call waiting tone.

Call Settings

To access the Call settings menu:

■ From the Home screen, tap 📞 → 📧 → **Call settings**.

Call rejection

1. From the Call settings screen, tap **Call rejection**.

2. Tap the **OFF / ON** icon to turn Auto reject mode on 〔 ON 〕.

3. Tap **Auto reject mode** and tap one of the following options:
   • **All numbers**: to reject all calls.
   • **Auto reject numbers**: to reject all calls in your Reject list.

4. Tap **Auto reject list**.

5. Tap ➕ to manually add numbers to the Reject list.

6. Tap **Unknown**, to create a checkmark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the Home screen, tap 📞 → 📧 → **Call settings** → **Set reject messages**.

2. Tap ➕ to manually add a reject message.
   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.

3. Tap **Save** to save the reject message.

Ringtones and keypad tones

1. From the Home screen, tap 🔍 → 🖿 → **Call settings** → **Ringtones and keypad tones**.
2. Tap **Device ringtone**, select a ringtone, and tap **OK**.
3. Tap **Device vibration**, select a vibration type, and tap **OK**.
4. Tap **Vibrate when ringing** to create a checkmark if you want your phone to vibrate when a call is incoming.
5. Tap **Keytones** to create a checkmark if you want tones to play when the keypad is pressed.

Call alert

1. From the Home screen, tap 🔍 → 🖿 → **Call settings** → **Call alert**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to turn off alarm and message notifications during a call.

Call answering/ending

1. From the Home screen, tap 🔍 → 🖿 → **Call settings** → **Answering/ending**.
2. The following options are available:
   - **The home key answers calls**: Tap this option to be able to accept incoming calls by pressing the Home key.
   - **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Turn off screen during calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

■ From the Home screen, tap 🔍 → 🖿 → **Call settings** → **Turn off screen during calls** to create a checkmark and enable the feature.

Call accessory settings

1. From the Home screen, tap 🔍 → 🖿 → **Call settings** → **Call accessories**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.

- **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
- **Outgoing call conditions**: allows you to make calls even when the device is locked.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

■ From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Increase volume in pocket** to create a checkmark and enable the feature.

Call forwarding

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Call forwarding**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.

- **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
- **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Additional settings

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select **Network default**, **Hide number**, or **Show number**.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Noise reduction**: allows you to suppress background noise from your side during calls.

- **Fixed Dialing Numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.
- **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls. Slide the slider to the on position.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**. FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Voicemail service

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Voicemail Service**.

Voicemail service provided by your carrier is the default.

2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Voicemail settings**.

2. Tap the **Voice mail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.

3. Tap **OK**.

Ringtone

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Ringtone**.

2. Tap a ringtone to hear it played.

3. Select a ringtone and tap **OK**.

Vibrate

This option allows you select vibration settings.

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **Vibrate**.

2. Tap **Always**, **Only in Silent mode**, or **Never**.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the Home screen, tap 📞 ➔ 🔲 ➔ **Call settings** ➔ **TTY mode**.

2. Tap **TTY Full** to turn TTY mode on. Tap **TTY Off** to turn it off.

Hearing aids

This option allows you to turn on Hearing aid compatibility on your device.

1. From the Home screen, tap 📞 → 🔲 → **Call settings**.

2. Tap **Hearing aids** to create a checkmark and make your device compatible with a Hearing aid.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

There are three text input methods available:

• **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.

• **Google Voice typing**: allows you to enter text by speaking.

• **Swype**: a new way to enter text on touch screens. Instead of tapping each key, use your finger to trace over each letter of a word.

To change the input method, see *"Keyboards and Input Methods"* on page 134.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.

Shift Key

Delete Key

Voice Typing and Settings

Space Bar

New Paragraph
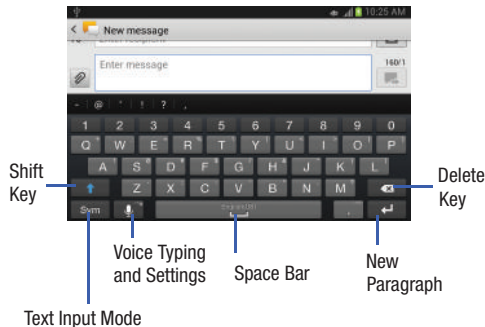
Text Input Mode

Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

| Sym | **Symbol Mode**: activates the symbol, special characters, and emoticon keys. |

| ABC | **ABC Mode**: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (⬆) key. |

Note: When in **ABC** mode, the **Sym** button will appear. When in **Sym** mode, the **ABC** button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.

2. When you tap the **Enter message** field, the following screen displays:
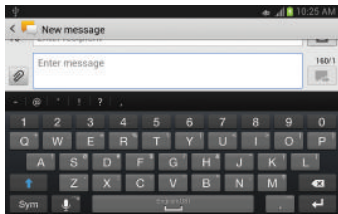
3. Tap the desired alphabetic characters.

4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.

5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol Mode

Use Symbol Mode to add symbols, special characters, and emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.

2. Tap ⌨ Sym at the bottom of the screen. The following screen displays:
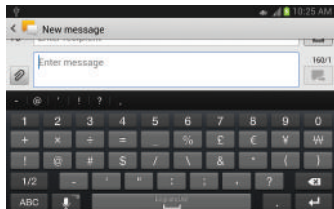
3. Tap the desired symbol, special character, or emoticon characters.

4. Tap the 1/2 button to access additional symbols.

5. Tap ABC to return to ABC mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. Press and hold 🎤 on the keyboard, then tap ⚙.

2. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to ▮▮ ON .

66

3. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.
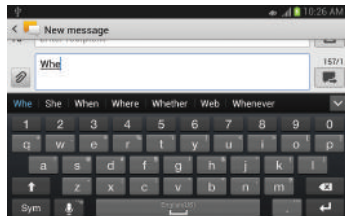
4. Press ▤ for more options.

Note: You can also use Predictive Text mode in the portrait orientation.

Handwriting Mode

The phone also provides the ability to use the S Pen to handwrite on the screen. This writing converts to text as easily as the voice text feature.

1. From the keyboard, press and hold the 🎤 icon, then tap ✏️ to enable the Handwriting to Text mode.
2. Remove the S Pen from the location at the bottom of the phone.
3. Touch the screen with the S Pen in the handwriting area and begin writing.
4. Stop after each word and allow one second for the phone to recognize the characters and realize you have stopped writing.
5. Press the spacebar to add a space, and proceed writing the next set of characters.
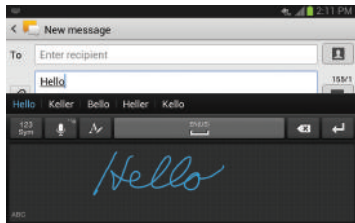
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 135.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. From the keyboard, tap the 🎤 icon.
   The Voice Typing screen is displayed.
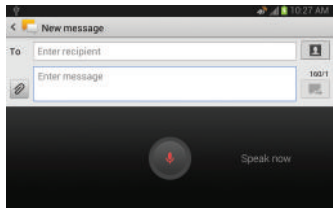
2. At the **Listening** prompt, speak into the device's microphone and watch your text being entered on-screen.If the text is incorrect, tap the **DELETE** box.

3. The text is displayed in the message as you are speaking.

Note: The feature works best when you break your message down into smaller segments.

Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a tapping predictive text system.

The following example shows how to enter the word "This". Put your finger down on the "T", and without lifting, glide it to the "h", then to the "i" then over to the "s".
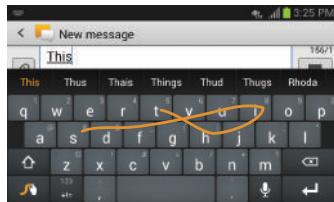
Enabling and Configuring Swype

The Samsung keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.

2. Tap **Choose input method**.

3. Tap the **Swype** radio button. It will turn green.

The Swype keyboard is displayed.

Swype Settings

For information on how you can configure your Swype settings, see *"Swype Keypad Settings"* on page 136.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then tap the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

AT&T Address Book Activation

When you access the AT&T Address Book, the network backup service, contacts are automatically synchronized between your phone and online address book. The changes you make are automatically saved and if you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone.

To activate the AT&T Address Book:

1. From the Home screen, tap **Contacts** 🔲.
   Your Address Book displays.

2. If you have not synchronized your phone with your online AT&T Address Book recently, the **AT&T Address Book** screen displays. Tap **Yes** if you want to synchronize your Address Book.

3. Follow the onscreen instructions.

Your AT&T Address Book is Ready to Use. You can now make a call or send a message through your Address Book.

You can also manage your Address Book on the web at http://www.att.com/addressbook.

Synchronizing your AT&T Address Book

If you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone by following these steps:

1. From the Home screen, tap **Contacts** 🔲.

2. Press 🔲 ➔ **Settings** ➔ **AT&T Address Book**.

3. At the **AT&T Address Book** screen, tap **Yes** to synchronize your phone with your online Address Book.

4. If there are existing contacts on your phone, you will be prompted if you would like to remove them first. Tap **Yes** or **No**.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** 🔲 ➔ + .

2. At the **Save contact to** prompt, tap **Phone**, **SIM**, or Account name.

3. Tap the image icon and assign a picture to the new entry by choosing one of three options:

  • **Image**: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Done**.

  • **Take picture**: use the camera to take a new picture and assign it to this entry, then tap **Done**.

  • **Remove**: although not an option with a new entry, deletes any previously assigned image on an existing contact.

  • **S Note**: use an image from the S Note application.

4. Tap the **Name** field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 64.

  – or –

Tap ⌄ next to the **Name** field to display additional name fields.

5. Tap the **Phone number** field.

The numerical keypad displays.

The **Mobile** button [Mobile] initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.

6. Enter the phone number.

Tap ➕ to add another Phone number field or tap ➖ to delete a field.

7. Tap any of the following fields that you want to add to your new contact:

  • **Groups**: assign the contact to Not assigned, ICE - emergency contacts, Co-workers, Family, or Friends.

  • **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact. Choose between Default, Ringtones, or Go to My files.

  • **Message alert**: allows you to set the ringtone for your message alerts.

  • **Vibration pattern**: allows you to set the specific type of vibration.

- **Add another field**: tap this button to add another field such as Phonetic name, Organization, Email, IM, Address, Notes, Nickname, Website, Internet call, Events, or Relationship.

8. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to a Contact:

1. From the Home screen, tap **Contacts** , and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym .

6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause displays as a comma (,) and a wait displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts** , and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap to add a new field and tap to delete a field.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

From the Address book, you can also send messages.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

1. From the Home screen, tap **Contacts** 📇.
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
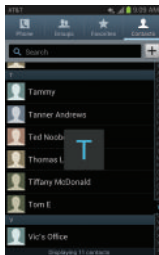
3. Tap the contact you wish to call or message.
4. Tap the phone icon to make a phone call or tap the message icon to send a message.
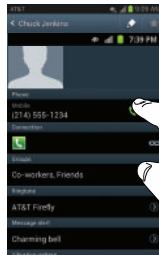
For more information, refer to *"Creating and Sending Messages"* on page 100.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This phone can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

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The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 75.

1. From the Home screen, tap **Contacts** 🔳.

2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.

3. Press 🔲 ➔ **Join contact**.
   The contact list displays.

4. Tap the second contact entry (the entry in which to join). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

5. Tap the **Connections** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Unjoining a Contact

1. From the Home screen, tap **Contacts** 📇.

2. Tap a contact name (the account name from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.

3. Tap the area below the **Connections** bar.

4. Tap the minus sign ⊖ next to entry in which you want to unjoin. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application is looking for the "default" number or entry.

1. From the Home screen, tap **Contacts** 📇.

2. Tap a Contact name.

3. Press 🔲 ➔ **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact is green.

4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Done**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** 📇.

2. Press 🔲 then tap **Accounts**.

3. Tap the **Auto sync app data** checkbox to create a checkmark and activate the feature.

4. Tap **OK** to synchronize all accounts.

The accounts are synchronized.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** 🔲 then press 🔲.

2. The following options display:
   • **Delete:** allows you to delete 1 or more of your contacts.
   • **SIM Management**: allows you to copy contacts from your phone to your SIM card or from your SIM card to your phone. You can also delete contacts from your SIM.
   • **Import/Export**: allows you to move contacts to or from your memory card. You can also send a namecard via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   • **Accounts**: allows you to add and manage mobile accounts on Facebook, Google, and Microsoft Exchange ActiveSync. Tap Add account and then follow the on-screen instructions.
   • **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to "Making a Call Using Speed Dial" on page 47.

• **Send email**: allows you to send an email using your Google account.
• **Send message**: allows you to send a text or picture message.
• **Contacts to display**: You can choose to display All contacts, only contacts saved to the SIM or Phone, or a Customized list. Tap a selection then tap Done.
• **Settings**: allows you to choose set the following options:
  – **Only contacts with phones**: allows you to only display contacts that have phone numbers.
  – **List by**: allows you to sort by First name or Last name.
  – **Display contacts by**: allows you to sort by First name or Last name first.
  – **Service numbers**: allows you to display or edit your service numbers.
  – **Contact sharing settings**: allows you to send all or individual contacts via Bluetooth in the form of namecards.
  – **AT&T Address Book**: allows you to access the AT&T Address Book so you can sync your contacts.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** 📇.
2. Tap a contact and at the contact's display screen, press 🔲.
3. The following options display:
   - **History**: allows you to view the phone and message history for the contact.
   - **Edit**: allows you to edit the contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts (only displays when contact is saved to SIM).
   - **Separate contact**: allows you to separate contacts that have been joined.
   - **Mark as default**: when you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 75.
   - **Assign speed dial**: allows you to assign this contact to your speed dial list. For more information, refer to *"Making a Call Using Speed Dial"* on page 47.

- **Share namecard via**: allows you to send the contact's information via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
- **Add to/Remove from reject list**: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
- **Print contact info**: allows you to print the contact's namecard to a Samsung printer using Wi-Fi.
- **Add shortcut to Home**: allows you to place a shortcut for this contact on your Home screen.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** 📇.
2. Press and hold a contact that you would like to add to a group.
3. Tap **Add to group**.
4. Tap a group (or groups) that you would like to add the contact to. A checkmark will appear.
5. Tap **Save**.
   The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** 🔲 ➔ **Groups** 🔲.
2. Tap a group entry.
3. Press 🔳 ➔ **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** 🔲 ➔ **Groups** 🔲 ➔ 🔳 ➔ **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name.
3. Tap **Group ringtone** to choose an audio file for assignment to this new group. Choose from **Default**, **Ringtones**, or **Go to My files**.
4. Tap **Vibration pattern** to choose an audio file for assignment to this new group.
5. Tap **Add member** to add contacts to the new group.

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6. Tap each contact you want to add to create a checkmark. You can also tap **Select all**.
7. Tap **Done**.
8. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** 🔲 ➔ **Groups** 🔲.
2. Tap a group entry.
3. Press 🔳 ➔ **Edit**.
4. Make modifications to the **Group name**, **Group ringtone**, or **Vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.
7. Tap **Save** to save the edited Group category.

Address Book Favorites

Once you have stored phone numbers in the Address Book, you can add them to your Favorites list.

To view your Favorites list:

■ From the Home screen, tap **Contacts** → **Favorites** .

Adding Favorites to your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to favorites** on the displayed list.
4. A gold star displays next to the contact in the Address Book.

Removing Favorites from your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer display next to the contact in the Address Book.

Managing Address Book Entries

You can copy, delete, and view the memory status for the Phone and SIM entries on your phone.

Copying a Contact to the SIM Card

Note: When storing an Address Book entry into the SIM card, note that only the name, phone number, group, and slot location are initially offered as fields (some SIM cards may allow an address as well). To save additional information for a particular contact, such as other phone numbers, or e-mail, it is important to add new fields to that Contact information. It is also important to note that if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** → → **SIM Management**.
2. Tap **Copy Contacts to SIM**.
   The phone then displays a list of your current phone contacts.
3. Tap the contacts to copy to the SIM card.
   • Repeat this step for each individual copy, or tap **Select all**.
4. Tap **Done**.

Note: Some information might be lost during the copy to SIM card.

5. Tap **OK**.
6. Tap **OK** at the **Copy Successful** display.

   The selected numbers are copied to the SIM card.

Copying a Contact to the Phone

1. From the Home screen, tap **Contacts** ☐ ➔ ☐ ➔ **More** ➔ **SIM Management**.
2. Tap **Copy Contacts from SIM**.

   The phone then displays a list of your current contacts stored on your SIM card.

3. Tap each contacts to copy to the phone. A check indicates selection.

   • Repeat this step for each individual copy, or tap **Select all**.

4. Tap **Done**.
5. At the **Copy Successful** display, tap **OK**.

   The selected numbers are copied to your phone.

Deleting Address Book Entries

You can delete Phone or SIM entries from the phone's memory.

1. From the Home screen, tap **Contacts** ☐.
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap **Delete** on the displayed list.
4. At the **Delete contact** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** ☐ ➔ ☐ ➔ **Settings**.
2. Tap **Service numbers**.
3. Scroll through the numbers and tap a number to call.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including AT&T Locker, Media Hub, Music Hub, Music Player, Google Play Music, Video Player, Play Movies & TV, Gallery, Camera, and Camcorder.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud.

1. From the Home screen, tap ▦ ➔ **AT&T Locker** 📷.

2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

   The Play Store is displayed.

3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.

4. Tap **Update**.

5. Tap **Accept & download**.

   AT&T Locker will be downloaded to your device.

6. At the AT&T Locker homescreen, tap **Sign Me Up!** to create an account or tap **Sign In** if you already have an account.

7. Follow the on-screen instructions to use AT&T Locker.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining yourself or your kids on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere. Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Note: Media Hub usage is based on service availability.

Using Media Hub

1. Tap ▦ ➔ **Settings** ➔ **Security** ➔ **Unknown sources** to activate and allow the Samsung app to run.

2. Tap **OK** after reading the disclaimer.

Important! Your phone and personal data are more vulnerable to attack by applications from unknown sources. Installing these applications may cause damage or loss of data and Samsung does not take any responsibility.

3. Tap ▦ ➔ **Media Hub** ⓜ.
4. Read the **Terms and Conditions** screen and tap the **I agree to the Terms and Conditions** checkbox.
5. Tap **Accept** to continue or **Decline** to exit.
   The Media Hub screen displays.
6. At the Media Hub screen, What's New displays with recently added media that you can rent or purchase.
7. Tap ▤ for the following options:
   • **Movies**: displays movies that are available for rent or purchase. Scroll through the top navigation bar and select a movie category. The movies of that type are displayed below.
   • **TV Shows**: displays TV shows that are available for purchase. Scroll through the top navigation bar and select a TV category. The TV shows of that type are displayed below.

   • **My Media**: allows you to view all of the media that you have purchased or rented. Tap a media entry to view it.
8. Scroll through the media listings and tap on an item to purchase or rent.
9. At the Details screen, follow the on-screen instructions to create a Samsung account and make a purchase.
10. Media stores in the My Media folder.

Media Hub Notices

• Any media item (Media Content) may be rented or purchased after you create an account in Media Hub.
• Media Content that is downloaded may be viewed concurrently on up to five (5) devices with Media Hub that are also registered to the same account.
• You may choose to remove a device from your account no more than once every 90 days.
• You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content at a later point in time subject to content re-download availability and studio permissions.
• You MUST be in network coverage to license Media Content you have acquired through the Service.

- You can use 3G, 4G, or Wi-Fi connectivity in order to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account.
- Media Content is downloaded and saved onto the SD card.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching rented Media Content within 24 consecutive hours of start of playback.
    - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.

- In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).
- You cannot play any media content downloaded from Media Hub through any output on your mobile phone, including All Share.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time.

1. From the Home screen, tap ▦ ➔ **Play Movies & TV**
   ▶.
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.

4. Tap the **MOVIES** tab to view movies you can rent.

5. Tap the **TV SHOWS** tab to view shows you can rent.

6. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.

7. Press ▤ for additional options.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset.

1. Sign up or Sign in to a Google Account. For more information, refer to *"Creating a New Google Account"* on page 12.

2. Tap ▦ ➔ **Live TV** 📺.

Note: The first time you use Live TV, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** or **Install** then follow the on-screen instructions. For more information, refer to *"Play Store"* on page 186.

3. The AT&T U-verse Live TV website displays.

4. Tap **Accept** to accept the Terms and Conditions.

5. Tap **Start Trial** to use the 7 day Trial.

6. The Live TV main page displays. Follow the on-screen instructions to watch TV.

Note: Live TV uses a large amount of data and you are responsible for all data charges. It is strongly recommended that you upgrade to a large data plan in addition to this purchase.

Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB display).

Playing Music

1. Tap ▦ ➔ **Music player** 🔵.

2. Tap a library category at the top of the screen (All, Playlists, Albums, Artists, or Folders) to view the available music files.

3. Scroll through the list of songs and tap an entry to begin playback.

4. The following Music Player controls are available:

⏸	Pause the song.
▶	Start the song after being paused.
⏮	Press and hold to rewind the song. Tap to go to the previous song.
⏭	Press and hold to fast-forward the song. Tap to go to the next song.
🔊	Volume control.
🔂	**Repeat one**: repeats the currently playing song.
🔁	**Repeat all**: replays the current list when the list ends.
🔂	**Play All**: plays the current song list once.
🔀	**Shuffle On**: the current list of songs are randomly shuffled for playback.
🔀	**Shuffle Off**: songs play in order and are not shuffled.
🎵	Lists the current playlist songs.
▶	Displays the current song in the player window.
📊	Provides access to the SoundAlive feature.

Music Player Options

To access additional options, follow these steps:

1. While in the Music Player, press 🔳.

2. The follow options are available:

- **Add to quick list**: adds the current music file to the Quick list.
- **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
- **Share via**: allows you to share your music by using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
- **Add to playlist:** allows you to add the current music file to a selected playlist.
- **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
- **Scan for nearby devices:** allows you to scan for nearby devices to share music.

- **Settings**: allows you to change your music player settings. For more information, refer to *"Music Player Settings"* on page 86.

- **Details**: allows you to view media info such as Artist, Title, Album, Track Length, Genre, Recording date, etc.

- **End**: allows you to end the Music Player app.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ▦ ➔ **Music player** ⊙.
2. Press ▤ ➔ **Settings**.
3. Select one of the following settings:
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.

- **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.

- **Lyrics**: when activated, the lyrics of the song are displayed if available.

- **Music auto off**: when activated, music will automatically turn off after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ▦ ➔ **Music player** ⊙.
2. Tap the **Playlists** tab.
3. Press ▤ ➔ **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap ⊞ ➔ **Music player** ⊙.
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ⊞ ➔ **Music player** ⊙.
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press 🔲 ➔ **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ⊞ ➔ **Music player** ⊙.
2. Tap **Playlists**.
3. Press 🔲 ➔ **Edit title**.
4. Tap a playlist name to edit.
5. Tap the **Name** field for the selected playlist, enter a new name for the playlist then tap **OK**.

For information on downloading music for your phone, see *"Play Store"* on page 186.

Google Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap ⊞ ➔ **Play Music** 🎧.
2. At the Welcome screen, tap **Next**.
3. At the **Select an account** screen, tap an account that you would like to link to Google Play Music or tap **Add Account**.
4. At the **Get free music** screen, tap **Get free songs** or **Skip**.

5. Follow the on-screen instructions for getting your free music.

All music on your device and external SD card is displayed including Music folders that may contain multiple songs.

6. Tap a song to start playback.

7. From the main Play Music screen, you can tap any of the following tabs for a more detailed listing of songs: Recent, Artists, Albums, Songs, Playlists, and Genres.

8. Tap ▤ for the following options:

- **Shuffle all**: allows you to play all of your music in a shuffled order.
- **Settings**: allows you to view Open source licenses and the music version for the Play Music application.
- **Help**: allows you to view a help file on the Google Support website.

Video Player

The Videos application plays video files stored on your phone or microSD card.

1. Tap ▦ ➔ **Video Player** ▶.

2. All videos that you have on your memory card will be displayed. Tap the video that you want to play.
The video will begin to play.

3. The following video controls are available:

❙❙	Pause the video.
▶	Start the video after being paused.
◀◀	Press and hold to rewind the video. Tap to go to previous video.
▶▶	Press and hold to fast-forward the video. Tap to go to next video.
⊡	Tap to capture a picture from the video. It is saved to your My Files in the All files/sdcard0/Pictures/Screenshots folder.
◀》	Volume control.
⊞	PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.

	Original size view. The video will be played in its original size.
	Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.
	Full-screen view. The entire screen is used, which may cause some minor distortion.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

For more information on downloading videos for your phone, see *"Play Store"* on page 186.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

Opening the Gallery

1. Tap ▦ ➔ **Gallery** 🖼.

   All of the Albums that hold your pictures, videos, and screen captures display with a folder name and the number of files.

2. Tap an Album and thumbnails of the contents display.

Note: If your phone displays a memory full message when you access Gallery, delete some of the files by using **My Files** or other file management applications and try again. For more information, refer to *"My Files"* on page 182.

Viewing Pictures

1. From the main gallery, tap **Slideshow** ▶ to see a slideshow of all of your pictures.

2. Tap a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

3. The following options are available at the top of the screen:
   - **Favorites** ⭐: marks the picture as a favorite.
   - **Share via** ◁: allows you to share the picture via AT&T Locker, Bluetooth, ChatON, Email, Flipboard, Gmail, Google+, Messaging, Picasa, S Note or Wi-Fi Direct.
   - **Delete** 🗑: allows you to delete the picture.
4. Press 🔲 for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap ⓟ to play the video.
3. Press 🔲 for additional options.
   For video player controls, see *"Video Player"* on page 88.

Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **More settings** ➔ **NFC**.
2. If not already active, in a single motion touch and slide the **NFC** slider to the right to turn it on ◻️ ON .
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on ◻️ ON .
5. On the source device (containing the desired image or video), tap ⊞ ➔ **Gallery** 🖼.
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

Place devices back to back

Tap the source image
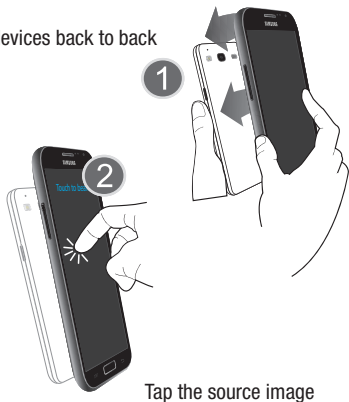
7. Place the two active NFC-enabled devices back to back to begin (1).

Note: If the **Touch to beam** screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer (2).

9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient with then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap ▦ ➔ **Gallery** .

2. Locate the selected folder.

3. Touch and hold the first image and place a checkmark on it and all desired images.

4. Place the two active NFC-enabled devices back to back to begin.

5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.

When prompted, separate the two devices.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 8 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Using the Camera

Taking Photos

Taking pictures with your phone's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may display on the photo.

1. From the main Home screen, tap **Camera** 📷 to activate the camera mode.

Note: The main Home screen initially contains the **Camera** 📷 icon. If you delete it, or if you want to access the camera from another Home screen, you must tap **Apps** 🔳 ➔ **Camera** 📷 .

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

4. Tap the screen to move the focus to the area you touch, and press the Camera key (📷) until the shutter sounds.

(The picture is automatically stored in the designated storage location. If no microSD is installed, all pictures are stored on the phone.) For more information, refer to *"Camera Options"* on page 93.

Note: Tap ⚙ **Settings** ➔ **GPS tag** ➔ **On** to enable the GPS icon, from the Camera screen.

Front Facing Camera

Charger on

Storage Location

Mode

Flash

Shooting Mode

Effects

Settings

Camera Key

Image Viewer

Display Image
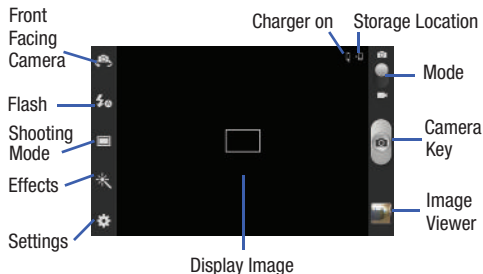
5. To view a picture, tap the Image Viewer.

6. While viewing a picture, double-tap the screen to zoom in or out.

– or –

Pinch the screen inwards to zoom out or pinch it outwards to zoom in.

7. Press ⏎ to return to the viewfinder.

Camera Options

Options are represented by icons across both sides of the screen.

Note: The options disappear after a few seconds. Tap the screen to make them redisplay.

▢ **Camera / Camcorder Mode**: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

🔄 **Self-portrait**: allows you to activate the front facing camera so you can take pictures of yourself or video chat.

⚡ **Flash**: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode to one of the following:

- **Single shot**: takes a single photo and view it before returning to the shooting mode.
- **Face detection**: double tap on a face to zoom in or out.
- **Panorama**: takes a landscape photo by taking an initial photo and then adding additional images to itself. The guide box lets you view the area where the second part of the panoramic picture should fall within.
- **Share shot**: uses Wi-Fi Direct to share your pictures quickly with your friends.
- **Buddy photo share**: Set the device to recognize a person's face that you have tagged in a photo and send it to that person. Face recognition may fail depending on the face angle, face size, skin colour, facial expression, light conditions, or accessories the subject is wearing.

- **Smile shot**: the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.
- **Cartoon**: gives your photo a cartoon look.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Black and white, Sepia, and Negative.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-portrait: allows you to set the front camera so you can take pictures of yourself.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Black and white, Sepia, and Negative.

Settings (continued):

Scene mode: allows you to set the Scene to help take the best pictures possible. Options include None, Portrait, Landscape, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Autumn color, Text, Candlelight, Firework, Backlight, and Night. Helpful tips are shown for each scene mode at the bottom of the display screen.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus or Macro. Use Macro mode to take close-up pictures.

Timer: allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

Resolution: allows you to set the image size to either: 8M (3264x2448), W6.5M (3264x1968), 3.2M (2048x1536), W2.4M (2048x1232), W0.4M (800x480), or 0.3M (640x480).

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

Metering: allows you to set how the camera measures or meters the light source: Matrix, Center-weighted, or Spot.

Outdoor visibility: allows you to maximize your photos taken while outdoors.

Auto contrast: provides a clear image even under backlight circumstances where intensity of illumination can vary excessively.

Guidelines: allows you to turn the guidelines On or Off.

Anti-Shake: reduces image blur due to the movement of the subject of the photo or hand movement.

Settings (continued):

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.) Before you can use the GPS tag (Geotagging), from the Home screen tap 🔲 ➔ **Settings ➔ Location services** and tap **Use GPS satellites** to create a checkmark.

Shutter sound: allows you to set the Shutter sound to On or Off.

Contextual filename: allows you to have your location added as part of the filename. You must first activate GPS tag described above.

Save as flipped: when set to On, this option allows you to take and save a mirror-image photo.

Image quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Viewing Pictures"* on page 89.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** 📷 to activate the camera mode.

2. Tap and slide the Camera mode button down to Camcorder Mode.

3. Tap the **Recording mode** that you prefer. Choose between Normal, or Limit for MMS.

4. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.

5. Tap the Video key (🔴) to begin shooting video. The red light will blink while recording.

6. Tap the Pause key (⏸) to pause the recording.

7. Tap the Stop key (⏹) to stop the recording and save the video file to your Camera folder.

8. Once the file is saved, tap the image viewer, then tap ▶ to play your video for review.

9. Press ⬅ to return to the viewer.

Camcorder Options

Options are represented by icons across both sides of the screen.

Note: The options disappear after a few seconds. Tap the screen to make them reappear.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self portrait: allows you to activate the front facing camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location and to Limit for MMS, which is limited by MMS size restrictions.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Black and white, Sepia, and Negative.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-recording: allows you to set the front camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location or Limit for MMS, which is limited by MMS size restrictions.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Black and white, Sepia, and Negative.

Exposure value: allows you to adjust the brightness level by moving the slider.

Timer: allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec. **Resolution**: allows you to set the image size to either: 1920x1080, 1280x720, 720x480, 640x480, 320x240, or 176x144.

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Outdoor visibility: allows you to maximize your photos taken while outdoors.

Guidelines: allows you to turn the guidelines On or Off.

Settings (continued):

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.) Before you can use the GPS tag (Geotagging), from the Home screen tap 🔲 ➜ **Settings ➜ Location services** and tap **Use GPS satellites** to create a checkmark.

Contextual filename: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.

Save as flipped: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected video. Image viewer options are described in the following section. The last video you took, displays as a thumbnail in the Image viewer icon.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 89. Also, *see "Video Player"* on page 88.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

• Text Messages
• Multimedia (Picture, Video, and Audio) Messages
• Email and Gmail Messages
• Google Talk
• Google + and Messenger
• ChatON

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 21.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** 🔲 → 🔳 **Compose**.

Note: The main Home screen initially contains the **Messaging** 🔲 icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Applications** ▦ → **Messaging** 🔲.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap 🔳 to select a recipient from your Groups, Favorites, Contacts, or Logs.

3. If adding a recipient from your Contacts, tap the contact to place a checkmark then tap **Done**. The contact will be placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

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4. Tap the **Enter message** field and use the on-screen keypad to enter a message.
5. Add more recipients by tapping the recipient field.
6. Review your message and tap **Send** ✉.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging** 📑.
2. Before composing a message, press ▤ to reveal additional messaging options:

- **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap 🔍.
- **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.
- **Draft messages**: displays the draft messages folder and its contents.
- **Scheduled messages**: displays the scheduled messages folder and its contents.
- **Locked messages**: displays the locked messages folder and its contents.
- **Spam messages**: displays the spam messages folder and its contents.
- **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 105.

Options while composing a message

1. While composing a message, press ▤ to reveal additional messaging options.

   • **Call**: allows you to call the contact. This option only appears if you have entered a phone number for the recipient.

   • **Insert smiley**: allows you to add emoticons, such as a happy face to your message.

   • **Add text**: allows you to copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 103.

   • **Add to Contacts**: allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.

   • **View contact**: allows you to see information on the recipient. This option only appears if the recipient is in your Contacts list.

   • **Add slide**: allows you to add a new page to a message.

   • **Add recipients**: allows you to add additional recipients.

   • **Scheduled message**: allows you to schedule a time and date for the message to be automatically sent.

   • **Delete messages**: allows you to delete the message.

   • **Register number as spam**: allows you to register the number as spam.

   • **Unregister as spam number**: allows you to unregister a number from the spam number list. This option only appears if the number was previously registered as spam.

   • **Discard**: allows you to delete the message.

Adding attachments to a message

To add an attachment to your message, tap ✎ and select one of the following options:

• **Images**: allows you to tap an existing image from your Pictures list to add it to your message.

• **Take picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.

• **Video**: allows you to choose an existing video from the Videos list, then add it to your message.

• **Record video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.

• **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.

• **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. It is then automatically attached to the message.

• **S Note**: allows you to add an S Note that you have created.

• **Calendar**: allows you to add an event from your calendar. Select the desired event and tap **Done**.

• **Location**: allows you to attach a thumbnail of a map showing your location.

• **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Done**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press ▤ ➔ **Add text**.

2. At the Add text screen, select one of the following:
   • **S Note**: allows you to insert text from an existing S Note.
   • **Calendar**: allows you to add the name, date, and time of a calendar event to your message.

• **Location**: allows you to add an address and the link to the location on Google Maps.

• **Contacts**: allows you to add the name and phone number of any of your contacts to your message.

• **Text templates**: allows you to add pre-defined phrases and sentences.

3. Tap the information you want to send.
   The text is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message 🖻 icon will appear at the top of your screen.

2. Open the Notification Bar and select the message. For more information, refer to *"Notification Panel"* on page 42.

   – or –

   From the main Home screen, tap **Messaging** 🖻 then tap the new message to view it.

   The selected message appears in the display.

3. To play a multimedia message, tap ▶.
   • To pause playback of the multimedia message, tap ⏸.

4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging** 📳.
   Tap the message thread you want to view.

2. Touch and hold the message thread to display the following options:

   • **View contact**: displays the contact's information. This option only displays if the sender is in your Contacts list.

   • **Add to Contacts**: displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.

   • **Delete thread**: displays a confirmation dialog box that when pressed, deletes the entire thread.

   • **Register number as spam**: allows you to register the number as spam.

   • **Unregister as spam number**: allows you to unregister a number from the spam number list. This option only appears if the number was previously registered as spam.

Deleting Messages

Deleting a single message thread

1. From the main Home screen, tap **Messaging** 📳.

2. Touch and hold a message, then tap **Delete thread**.

3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple message threads

1. From the main Home screen, tap **Messaging** 📳.

2. Press 🔲 ➔ **Delete threads**.

3. Tap each message you want to delete. A checkmark will appear beside each message you select.

4. Tap **Delete**.

5. At the **Delete** prompt, tap **Delete** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** 📶.

2. Tap 🗐 ➔ **Search**.

3. Use the on-screen keypad to enter a word or phrase to search for, then tap 🔍.

4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** 📶 ➔ 🗐 ➔ **Settings**.

2. The following Messaging settings are available:

Display:

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.

- **Background style**: allows you to choose from several background styles for your messages.

- **Split view**: when in Landscape mode, allows you to view both the message list and the contents of the currently selected message.

- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

General settings:

- **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.

- **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.

- **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.

- **Text templates**: allows you to edit or add new text templates to use in your messaging.

Text message (SMS) settings:

- **Manage SIM card messages**: allows you to manage the messages that you have stored on your SIM card.

• **Message center**: allows you to enter the number of your Message center where your messages reside while the system is attempting to deliver them.

• **Input mode**: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings:

• **Auto-retrieve**: allows the message system to retrieve messages automatically.

• **Creation mode**: allows you to select the creation mode, Free, Restricted, or Warning.

  – **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.

  – **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.

  – **Free**: you may add any content to the message.

• **MMS alert**: allows you to receive an alert when MMS mode becomes active.

Push message settings:

• **Push messages**: allows you to receive push messages from the network.

Cell Broadcast (CB) settings:

• **CB activation**: allows you to receive Cell Broadcast (CB) messages.

• **Channel configuration**: allows you to set up the channel that you will receive CB messages on.

Notifications settings:

• **Notifications**: allows you to see message notifications on your status bar.

• **Select ringtone**: allows you to set the ringtone for your message notifications.

• **Vibrate**: allows you to configure the vibration mode associated with message alerts.

• **Message alert repetition**: allows you to set the interval for new message alerts. Choose from: Once, Every 2 minutes, or Every 10 minutes.

• **Preview message**: when enabled, allows you to view a preview of new message text on the Status bar.

Signature settings:

- **Add signature**: when enabled, this feature allows you to create a signature at the end of your outgoing text messages.
- **Signature text**: allows you to enter a desired signature for your message.

Spam message settings:

- **Spam settings**: when enabled, allows you to configure available spam settings such as:
- **Register number as spam**: allows you to manually enter and assign a phone number as being sent from a spam source.
- **Register phrase as spam**: allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
- **Block unknown senders**: when active, automatically blocks incoming messages from unknown sources or blocked numbers.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap **Email** .
   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **Email address** field.

3. Enter your password in the **Password** field.

4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.

5. Tap **Next**.

6. Enter an account name for this email account (optional).

7. Tap **Done**.

Synchronizing a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap **Email** .
   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **Email address** field.

3. Enter your password in the **Password** field.

4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.

5. Scroll down and tap **Manual setup**.

6. Tap the **Microsoft Exchange ActiveSync** field.

7. Enter all the Exchange server information, Domain, Username and Password, then tap **Next**.

8. At the prompt tap **OK**.
   The Account options screen is displayed.

9. Enter the desired information in the different fields, then tap **Next**.

10. Enter an Account name for this account (Optional). Wait for the Inbox to synchronize before use.

11. Tap **Done**.

12. Press 🔳 ➔ **More** ➔ **Account Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap **Email** 📧.
   Your Email screen displays showing your emails from the active account.

2. Press 🔳 ➔ **Settings** ➔ ➕ then enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 107.

Switching Between Email Accounts

1. From the Home screen, tap **Email** 📧.
   Your Email screen displays showing your emails from the active account.

2. Tap the box at the top of your screen that displays the optional name you assigned to your first email account, for example, Work, Gmail, etc.
   Your Email account screen is displayed.

3. In the **Accounts** section, tap the Email account you would like to switch to. You can also select **Combined view** which will display email messages from all accounts.

4. The new Email account is displayed.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12..
2. From the Home screen, tap ▦ ➔ **Gmail** 📧.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap ✉₊ at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.

3. Tap 🔲 and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and begin composing your message.
6. Tap ▷ to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen:
   • **Archive** 📥 : archives the selected message.
   • **Delete** 🗑 : deletes the message.
   • **Labels** 🏷 : allows you to attach labels to a message. This is similar to putting it in a folder.
   • **Mark Unread** ✉ : after reading a message, marks as unread.
   • **Newer**: swipe your screen to the right to see newer messages.
   • **Older**: swipe your screen to the left to see older messages.
3. Before selecting a message, press 🔲 to select one of the following additional options:
   • **Label settings**: allows you to set sync and notification settings.
   • **Settings**: displays Email settings that you can modify.

- **Help**: displays the Google.com webpage so you can search the web for help.

- **Send feedback**: allows you to send feedback or report a problem.

4. After selecting a message, press ▣ to select one of the following additional options:

- **Mark important/not important**: allows you to set the importance of a message.

- **Mute**: allows you to mute the sound in a message if applicable.

- **Report spam**: allows you to report a message as spam. Tap the UNDO option if you change your mind.

- **Report phishing**: allows you to report a message that you feel is trying to improperly get information from you.

- **Settings**: displays Email settings that you can modify.

- **Send feedback**: allows you to send feedback or report a problem.

- **Help**: displays the Google.com webpage so you can search the web for help.

Other Gmail Options

1. Tap ↻ at the bottom of the screen to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.

2. Tap ◿ at the bottom of the screen to set up and manage Labels for your Gmail messages.

3. Tap ◯ at the bottom of the screen to search through your Gmail messages.

Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. From the Home screen, tap ▦ ➔ **Talk** `talk`.

2. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

3. Begin using Google Talk.

Note: If you have already signed into an IM account, it is displayed on the Talk application screen.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

2. From the Home screen, tap ▦ ➔ **Google+** 8+.

3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.

4. Follow the on-screen instructions to use Google+.

5. Visit www.google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

2. From the Home screen, tap ▦ ➔ **Messenger** 🗔.

   – or –

   From the Google+ application, select **Messenger**.

3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Create a new account** to create another account.

4. At the **Messenger** screen, tap 🗔 to start a new message.

5. In the upper text field, enter a name, email address, or circle.

6. In the bottom message field, enter a message then tap ➤.

7. From the **Messenger** screen, tap **Learn more** for more detailed information.

Messages App

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

1. From the Home screen, tap **⊞** ➔ **Messages** 📭.
2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

Note: The first time you use the Messages app, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 186.

3. At the Welcome screen, read the information and tap **Continue** or tap **Learn More** to receive more information.
4. The first time you use Messages, you will need to set up a few things. Tap **Record Greeting** to record a personal greeting, or tap **Skip** if you want to do it later.

5. Follow the on-screen instructions to use the Messages app.

ChatON

Provides a global mobile communication service where you can chat with more than 2 buddies via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

For more information, visit: https://web.samsungchaton.com.

1. From the Home screen, tap **⊞** ➔ **ChatON** 🅲.
2. Read the on-screen notification about data charges and tap **OK**.
3. Select either the **Terms and conditions** or **Privacy policy** and read the on-screen information. Tap **Accept** to continue.
4. Select a country code, enter your current phone number to register with the service, and tap **Done**.
5. Choose to receive the verification code via either **SMS** (text message) or **Voice** to your device.

6. Enter your real name and tap ✓ **OK**.
7. Follow the on-screen instructions to add a buddy and begin your chat session.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

■ From any Home screen, tap ▦ ➔ **Settings**.

– or –

From any Home screen, press ▤ ➔ **Settings**.

The Settings screen displays.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 156.

Activating Wi-Fi

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON   ON .
3. Tap **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 156.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi Direct field, to turn Wi-Fi Direct ON   ON .
3. At the bottom of the Wi-Fi screen, tap the **Wi-Fi Direct** button.

For more information, refer to *"Wi-Fi Direct"* on page 158.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.
2. Tap ▤ ➔ **Advanced**.

The following options are available:

• **Network notification**: alerts you when a new WAP is available.

• **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.

- **Auto connect**: allows you to be automatically connected to an AT&T Wi-Fi Hotspot as soon as your phone detects it.
- **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
- **IP address**: view your device's IP address.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

1. From the Home screen, tap ▦ ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON ⬛ ON .

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Bluetooth**.

2. Tap **Scan** to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing Bluetooth Devices"* on page 161.
3. Tap ▤ and select a Bluetooth setting to configure:
   - **Rename device**: Your device's default name displays on screen. Tap to change the device name. Available when Bluetooth is turned On.
   - **Visibility timeout**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
   - **Received files**: Show the list of files received by using Bluetooth.

Data Usage

From this you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Data usage**.
2. Tap **Mobile data** to create a checkmark and turn Mobile data usage on.

3. Tap **Set mobile data limit** to create a checkmark and allow a data limit to be set.

4. Touch and drag the red limit bar to the GB limit that you desire.

5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Press [≡] to display additional options. Tap to activate.
   • **Data roaming**: enables Data roaming on your device.
   • **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   • **Auto-sync data**: allows your accounts to automatically sync
   • **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi usage.
   • **Mobile hotspots**: displays available mobile hotspots.

More Settings

This tab displays additional wireless and network information.

■ From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings**.

   Options display for Airplane mode, USB Utilities, Mobile networks, Tethering and portable hotspots, VPN, NFC, S Beam, Nearby devices, and Kies via Wi-Fi.

Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings**.

2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active. The Airplane mode icon ✈ is displayed at the top of your screen.

USB utilities

This option allows you to copy files between your PC and the memory card in your phone.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **USB utilities**.

2. Connect your phone to your PC using a USB cable.

3. Tap **Connect storage to PC**.

4. From your PC, open the folder to view your files.

5. Copy files between your PC and the memory card.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Use Mobile Data

To activate the data network, this option must be selected. It is set on by default.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.

2. Tap **Mobile data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.

2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.

2. Tap **Access Point Names**.

A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.

2. Tap **Network operators**.

   The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

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3. Tap **Search networks** to manually search for a network.

4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **Wireless and network** ➔ **Mobile networks**.

2. Tap **Network operators**.

3. Tap **Default setup**.

4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

Tethering & portable hotspot

This option allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot.

USB Tethering

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspots**.

2. Connect your phone to your PC using a USB cable.

3. Tap **USB tethering** to add a checkmark and activate the feature. The USB tethering icon 🎗 is displayed at the top of your screen.

Portable Wi-Fi hotspot

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Tethering and portable hotspots** ➔ **Mobile Hotspot**.

2. Turn Mobile Hotspot on by tapping the slider so that it changes to the ON position ![ON]. The Mobile hotspot icon 📶 is displayed at the top of your screen.

3. Tap **Configure**.

4. Enter or edit the Network SSID, Hide my device, Security setting and Password.

5. Tap **Show password** and **Show advanced options** to see them displayed.

6. Tap **Save**.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.

2. Find **Galaxy Note_XXXX** in the Wi-Fi network list and connect to it. XXXX are four randomly generated digits that will appear when you set up a Portable Wi-Fi hotspot on your device.

   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

Help

■ From the **Tethering and portable hotspot** menu, tap **Help** for additional information.

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock Screen Settings"* on page 129.

2. From the Home screen, tap **▦** ➔ **Settings** ➔ **More settings** ➔ **VPN**.

3. Tap **Basic VPN**.

4. Tap **Add VPN network**.

5. Enter a name for the VPN network in the **Name** field.

6. Select a VPN type from the **Type** drop-down menu. The options are:
   • PPTP (Point-to-Point Tunneling Protocol)
   • L2TP/IPSec PSK (Layer 2 Tunneling Protocol / Internet Protocol Security Pre-Shared Key)
   • L2TP/IPSec RSA
   • IPSec Xauth PSK

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   • IPSec Xauth RSA
   • IPSec Hybrid RSA

7. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.

8. Tap the **PPP encryption (MPPE)** check box to use the MPPE protocol for encryption.

9. Tap the **Show advanced options** check box to display additional VPN options.

10. Tap **Save** to save your VPN settings.

Adding an IPsec VPN

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock Screen Settings"* on page 129.

2. From the Home screen, tap **▦** ➔ **Settings** ➔ **More settings** ➔ **VPN**.

3. Tap **Advanced IPsec VPN**.

4. Tap **Add VPN connection**.

5. Enter a password, confirm the password, and tap **OK**.

6. Enter a name for the VPN connection in the **VPN connection name** field.

7. Select an **IPsec connection type** from the drop-down menu.

8. Enter any other required information.

9. Tap the **Show advanced options** button to display additional VPN options.

10. Tap **Save** to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings**.

2. Tap **NFC** to create a checkmark and activate the feature.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your gallery, music files from your music player, and more.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **S Beam**.

2. Tap the **OFF / ON** icon to turn S Beam on ▭ ON .

3. Touch the back of your device with another NFC-capable device and the content is transferred.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *"Activating Wi-Fi"* on page 114.

2. Verify Wi-Fi Direct is enabled and you are paired with the device in which to detect and share content. For more information, refer to *"Wi-Fi Direct"* on page 158.

3. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Nearby devices**.

4. Tap **File sharing** to create a checkmark and turn File sharing on.

5. Verify 🖳 (**Nearby devices**) appears at the top of the screen.

6. At the Nearby devices prompt, tap **OK**.

7. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.

8. Tap **Device name**, then use the on-screen keyboard to change the name shown to others. Tap **Save**.

9. Tap **Allowed devices list**, then select the connected devices you would like to allow.

10. Tap **Not-allowed devices list**, then select the connected devices you would like to not allow.

11. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from USB storage (phone) or SD card.

12. Tap **Upload from other devices**, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

1. From your PC, download the Samsung Kies application if you don't already have it. You can find it at samsung.com.

2. From your PC, launch the Samsung Kies application.

3. From your PC, connect to a Wi-Fi network.

4. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.

From your device, connect to the same Wi-Fi network that your PC is connected to if you have not already done so. For more information, refer to *"Connect to a Wi-Fi Network"* on page 156.

Home screen mode

Home screen mode allows you to set your display to the conventional layout of **Basic mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Home screen mode**.

2. Tap one of the following options:
   • **Basic mode**: provides conventional layout for the apps and widgets on your home screens.
   • **Easy mode**: provides easier user experience for first-time smartphone users on the home screens.

3. Tap **Apply**.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Blocking mode**.

2. In a single motion touch and slide the **Blocking mode** slider to the right to turn it on ▮ ON . Confirm that the Blocking mode active icon ⊝ appears in the Status bar.

3. Place a green checkmark adjacent to those features you would like to enable. Choose from: **Disable incoming calls**, **Disable notifications**, and **Disable alarm and timer**.

4. Configure a timeframe for these features to be active. Remove the checkmark from the **Always** field to configure the **From** and **To** time fields.

5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Sound Settings

From this menu you can control the sounds on the phone.

■ From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

The following options display:

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound** ➔ **Volume**.

2. Touch and drag the slider to adjust the sound volume for Music, video, games and other media, Ringtone, Notifications, and System.

3. Tap **OK**.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound** ➔ **Vibration intensity**.

2. Touch and drag the slider to adjust the Vibration intensity for Incoming call, Notification, and Haptic feedback.

Device ringtone

This option allows you to set the ringtone using existing ringtones or using your own music.

To use an existing ringtone:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Device ringtone**.

3. Tap a listed ringtone and tap **OK**.

To use your own music:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Device ringtone**.

3. Tap **Add**.

4. Tap **Choose music track** or **Music Player**.

5. If you always want to use this selection as the default choice, tap **Always**, otherwise tap **Just once**.

6. Select a song and tap **OK**.

Device vibration

This option allows you to set your phone to vibrate and ring. You can use an existing device vibration or create your own.

To use an existing vibration:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Device vibration**.

3. Select a vibration pattern and tap **OK**.

To create your own vibration:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Device vibration**.

3. Tap **Create**.

   A circle is displayed with **Tap to create** in the center.

4. Tap in the center of the circle to start.

5. A line will start to move around the circle much like the second hand on a clock. Tap whenever you want to add a vibration. You can press and hold to add a long vibration.

6. Press **Stop** to end or wait for it to complete one revolution of the circle.

7. Tap ▶ to play back the vibration you just created.

8. Tap **Save** to save or **Cancel** to start over.

9. Enter a Vibration pattern name and tap **OK**.

10.

Default notifications

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Default notifications**.

3. Tap a ringtone and tap **OK**.

Vibrate when ringing

This option allows you to enable your phone to vibrate whenever it rings.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap **Vibrate when ringing** to create a checkmark and enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Sound**.

2. Tap any of the following options to create a checkmark and activate the feature:

   • **Keytones**: makes a sound when you tap a key on the keyboard.

   • **Touch sounds**: makes a sound when you touch the screen.

   • **Screen lock sound**: makes a sound when your screen is locked or unlocked.

   • **Haptic feedback**: makes a vibration when you tap soft keys and on certain UI interactions.

Display Settings

In this menu, you can change various settings for the display such as the font, orientation, pop-up notifications, puzzle lock feature, animation, brightness, screen timeout, power saving mode, and tv out settings.

■ From the Home screen, tap ▦ ➔ **Settings** ➔ **Display**.

The following options display:

- **Wallpaper**: allows you to set the Wallpaper for your Home screen, Lock screen, or both.
- **Brightness**: configures the LCD Brightness levels. Drag the slider to adjust the brightness and tap OK. Or, tap Automatic brightness to have your brightness level automatically adjusted by your phone based on current light conditions.
- **Auto-rotate screen**: allows you to switch the display orientation automatically when you rotate the phone.
- **Screen timeout**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, and 10 minutes.
- **Font style**: allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size**: allows you to select which size of font is displayed.
- **Touch key light duration**: allows you to set the time that the touch keys located on the bottom of your phone are lit.
- **Display battery percentage**: allows you to see the battery charge percentage next to the battery charge icon at the top of the display.

- **Auto adjust screen tone**: allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.

Storage

From this menu you can view the memory allocation for the device and the memory card as well as mount or unmount the SD card.

To view the memory allocation for your device and external SD card:

■ From the Home screen, tap **▦** ➔ **Settings** ➔ **Storage**.The available memory displays under the **Total space** and **Available space** headings for both Device memory and SD card.

SD card

■ Tap **Unmount SD card** to unmount your SD card so that you can safely remove it, then tap **OK**.
 – or –

1. Tap **Format SD card** to re-format your SD card. This will delete all data on your SD card including music, videos, and photos.
2. Tap **Format SD card** again.

3. Tap **Delete all** to continue or press ◁ to cancel.

Note: The **Format SD card** option is only available when your SD card is mounted.

For more information about mounting or unmounting the memory card see *"SD Card Overview"* on page 49.

Power Saving Mode

Power Saving Mode allows you to manage your phone to conserve power.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Power saving mode**.

2. Tap the **OFF / ON** icon next to **Power saving mode** to turn Power saving mode on ■ ON .

3. Tap the following options to create a checkmark and conserve power:

• **CPU power saving**: allows you to limit the maximum performance of the CPU.

• **Screen power saving**: allows you to lower the screen power level.

• **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.

4. Tap **Learn about Power saving mode** to learn about various ways to conserve battery power.

Battery

See how much battery power is used for device activities.

1. From a Home screen, tap ▦ ➔ **Settings** ➔ **Battery**. The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

2. Tap **Screen**, **Android OS**, **Cell standby**, **Android System**, or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Application manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, tap ▦ ➔ **Settings** ➔ **Application manager**.
2. Tap **DOWNLOADED**, **ON SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, tap ▦ ➔ **Settings** ➔ **Application manager**.

2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, press ▤ ➔ **Sort by size** or **Sort by name**.
4. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From a Home screen, tap ▦ ➔ **Settings** ➔ **Application manager**.
2. Tap the **RUNNING** tab. All the applications that are currently running on the device display.
3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

   The following options display:

• **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

• **Report**: Report failure and other application information.

Note: Options vary by application.

Location Services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **Location services**.
2. Tap any of the following options to create a checkmark and activate the service:
   • **Use wireless networks**: allows applications to use data from mobile networks to help determine your location.
   • **Use GPS satellites**: allows applications to use GPS to pinpoint your location.

• **Location and Google search**: allows Google to use your location data for improved search results and other services.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Phone"* on page 34.

Screen Lock

1. From the Home screen, tap ⊞ ➔ **Settings** ➔ **Lock screen**.
2. Tap **Screen lock** for these options:
   • **Swipe**: Swipe the screen to unlock it.
   • **Motion**: While tapping and holding the screen, tilt the device forward to unlock.
   • **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   • **PIN**: Select a PIN to use for unlocking the screen.
   • **Password**: Create a password for unlocking the screen.
   • **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options are only available when the **Screen lock** option is set to **Swipe** or **Motion**.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Lock screen** ➔ **Lock screen options**.
2. The following options are available:
    • **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen. Touch and slide the slider to the right to turn it on `  ON  `.
    • **Information ticker** sets the news and stock information ticker to appear across the bottom of the Lock screen. Touch and slide the slider to the right to turn it on `  ON  `.
    • **Clock** allows you to display the digital clock while the Lock screen is active. Enabled by default.
    • **Dual clock** displays a set of dual digital clock on the Lock screen while you are traveling. Tap the entry to set your home city. This time zone then becomes the time used by one of these on-screen clocks. Touch and slide the slider to the right to turn it on `  ON  `.

• **Weather** displays the current area weather on the Lock screen. Touch and slide the slider to the right to turn it on `  ON  `. Tap and set both the temperature units (F or C) and a refresh time.
• **Ripple effect** displays a ripple effect on the Lock screen. It will be disabled for live wallpapers.
• **Help text** shows help information on the Lock screen.
• **Camera quick access** provides you with quick access to the camera function from the Lock screen. When this option has been activated, touch and hold the lock screen while rotating the device to the landscape position then release the screen. Touch and slide the slider to the right to turn it on `  ON  `.

Note: These options vary depending on the selected Lock settings.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Set up/change password

Use this option to set up your password when one is first required or change your current password.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security** ➔ **Set up/change password**.
2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Make passwords visible** to create a checkmark and enable or disable the display of password characters.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install non-Market applications.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Unknown sources**.

   A check mark is displayed to indicate it is active.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.

2. Tap **Trusted credentials**.

    The trusted credentials screen has two tabs:

    • **System**: Displays CA certificates that are permanently installed in the ROM of your device.

    • **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

3. Tap a CA certificate to examine its details.

    A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and tap **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

5. Tap **OK** to return to the certificate list.

    When enabled, a check mark appears in the check box.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.

2. Tap **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Security**.
2. Tap **Clear credentials** to remove all certificates.

Language and Input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

Language

You can change the language used by your device by following these steps:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input** ➔ **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.
2. Tap **Default** and select an input type.
3. Tap the 🔅 icon next to the input method that you would like to configure the settings for.
4. Based on your selection of input method, the appropriate settings will appear and are explained below.

Google voice typing settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.
2. Tap the 🔅 icon next to **Google voice typing**.
3. The following options are available:
    • **Choose input languages**: tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.

- **Block offensive words**: tap to create a checkmark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.

- **Download offline speech recognition**: Enables voice input while offline.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.

2. Tap the ⚙ icon next to **Samsung keyboard**.

   - **Portrait keyboard types** allows you to choose a keyboard configuration (Qwerty [default] or 3x4 Keyboard).

   - **Input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.

   - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Touch and slide the slider to the right to turn it on ☐ **ON**.

   - **Continuous input** allows you to type words by swiping between on-screen keys.

- **Pen detection** automatically changes to handwriting mode whenever the pen is detected.

- **One-handed operation** modifies the keyboard layout to make it easier to use with only one hand.

- **Handwriting** enables the device to recognize on-screen handwriting and convert it to text. Touch and slide the slider to the right to turn it on ☐ **ON**.

- **Voice input** activates the Voice input feature. This is an experimental feature that uses Google's networked speech recognition application.

- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).

- **Auto-punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.

- **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.

- **Key-tap vibration** enables vibration feedback when you tap an on-screen key.

- **Key-tap sound** enables auditory feedback when you tap an on-screen key.
- **Tutorial** launches a brief on-screen tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.
2. Tap the ⚙ icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to turn it ON [ON].
4. Tap **Predictive text**.
5. The following options are available:
    - **Personalized data**: allows you to use personal language that you have added to make your prediction results better.
    - **Learn from E-mail**: allows you to login to your Email account so your phone can learn your Email style.
    - **Learn from Facebook**: allows you to login to your Facebook account so your phone can learn your Facebook style.

- **Learn from Twitter**: allows you to login to your Twitter account so your phone can learn your Twitter style.
- **Learn from Messaging**: allows your device to learn from your Messages.
- **Learn from Contacts**: allows your device to learn from your Contacts.
- **Clear personalized data**: removes all personalized data that you have entered.

Swype Keypad Settings

To configure Swype settings:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.
2. Tap the ⚙ icon next to **Swype**.
3. Tap **How to Swype** to view an on-screen manual for Swype.
4. Tap **Gestures** to view helpful information on using gestures while using Swype.
5. Tap **Preferences** to alter these settings:
    - **Vibrate on keypress**: activates a vibration sensation as you enter text using the keypad.

- **Sound on keypresses**: turns on sounds generated by the Swype application.
- **Show helpful tips**: turns on a flashing indicator for quick help.
- **Auto-spacing**: automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
- **Auto-capitalization**: automatically capitalizes the first letter of a sentence.
- **Show complete trace**: once enabled, sets wether or not to display the complete Swype path.
- **Pop-up on keypress**: once enabled, displays a character above an on-screen key while typing.
- **Next word prediction**: once enabled, predicts the next word in your text string based on your current text entries.

Note: If incorrect words are being entered as you type, disabled this feature.

- **Reset Swype's dictionary**: once enabled, deletes any words you have added to Swype's dictionary.
- **Version**: displays the software version information.

6. Tap **Language Options** to activate and select the current text input language. Default language is US English.
7. Tap **Swype Connect** to activate and configure the following data settings:
   - **Register now**: allows you to register with Swype so you can take advantage of backup and sync options.
   - **Backup & Sync**: allows you to backup your Swype dictionary and sync your Swype dictionary across multiple devices.
   - **Contribute usage data**: when enabled, allows the Nuance® application to collect usage data for better word predictions.
   - **Cellular data**: when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.
8. Tap **Personalization** to activate and configure the following social media personalization settings.
   - **Edit Dictionary**: allows you to edit your personal Swype dictionary.

- **Facebook**: allows you to log into your current Facebook account from where contact names are added to your Swype's personal dictionary for later use when you enter names into text fields. Helps recognize familiar names.

- **Twitter**: allows you to sing into your existing Twitter account from where names and words are added to your personal dictionary. Helps recognize familiar names and words.

- **Gmail**: allows you to sign in to your existing Gmail account from where existing contact information is added to your personal dictionary. Helps recognize familiar names.

9. Tap **Updates** to update the application if new software is available.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.

2. Tap **Voice recognizer** to configure the voice recognizer that your phone will use.

3. Tap **Google** or **Samsung powered by Vlingo**.

4. Tap **Voice search** to configure the following:

- **Language**: Choose a language for your voice input.

- **Speech output**: Sets whether you will use speech output always or only when using hands-free.

- **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.

- **Hotword detection**: Enable to being able to launch voice search by saying the word "Google".

- **Download offline speech recognition**: Enables voice input while offline.

5. Tap **Text-to-speech output** and select **Google Text-to-speech Engine**.

6. Tap ⚙ next to **Google Text-to-speech Engine** to configure the following settings:

- **Language**: allows you to set the language for spoken text.

- **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses. This option only appears when you have selected Google Text-to-speech as your preferred TTS engine.

- **Install voice data**: allows you to install voice data for speech synthesis. This option only appears when you have selected Google Text-to-speech as your preferred TTS engine.

7. Scroll down to the **General** section to access the following options:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).

8. Tap the ON/OFF icon ⬛️ ON next to **Driving mode** to turn it on and enable incoming calls and notifications to be read out automatically.

Pointer speed

This option sets your Pointer speed.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Language and input**.

2. Tap **Pointer speed** then drag the slide to the right to go faster or to the left to go slower.

3. Tap **OK** to save your setting.

Backup and Reset

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Backup and reset**.

2. Tap **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Backup and reset**.

2. Tap **Backup account** and tap your Google Gmail account or tap **Add account** to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Backup and reset**.

2. Tap **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Backup and reset**.

2. Tap **Factory data reset**.

   The Factory data reset screen displays reset information.

3. Tap **Reset device**, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

Add Account

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

1. From a Home screen, tap ▦ ➔ **Settings** ➔ **Add account**.

2. Tap one of the account types.

3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

   A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the **Accounts** section of the main Settings menu.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From a Home screen, tap **▦** ➔ **Settings**.
2. Tap the account which is located in the **Accounts** section.
3. Tap the account name.
4. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Motion

The Motion settings allow you to set up various Motion activation services. For more information on using gestures, see *"Using Gestures"* on page 32.

1. From the Home screen, tap **▦** ➔ **Settings** ➔ **Motion**.
2. Tap the ON/OFF icon ![ON] at the top of your screen to activate Motion.

Caution! Excessive shaking or impact to the device may cause unintended results. To learn how to properly control motions, tap **▦** ➔ **Settings** ➔ **Motion** ➔ **Learn about motions**.

3. The following options are available. Tap an option to activate the feature. A checkmark is displayed.

   • **Direct call**: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.

   • **Double tap to top**: Once enabled, double tap the top of the device to be taken to the top of the current on-screen list.

   • **Tilt to zoom**: Once enabled, you must be on a screen where content can be zoomed. In a single motion, touch and hold two points on the display then tilt the tilt the device back and forth to zoom in or out.

   • **Pan to move icon**: Once enabled, touch and hold a desired application shortcut icon or widget on the screen. Once it detaches, move the device left or right to migrate it to a new location.

- **Pan to browse images**: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally around the large on-screen image.

- **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.

- **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

- **Sensitivity settings**: allows you to access additional settings for Gyroscope calibration, Tilt to zoom, Pan to move icon, and Pan to browse images.

- **Learn about motions**: provides additional help on using the different motions.

- **Palm swipe to capture**: Once enabled, you can capture any screen by swiping across the screen with your palm. In a single motion, press the side of your hand on the screen and swipe form left to right. The image is then copied to the clipboard.

- **Palm touch to mute/pause**: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

- **Learn about hand motions**: provides additional help on using the different hand motions.

S Pen Settings

This menu allows you to modify settings related to use of the S Pen.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **S Pen**.
2. Tap **Dominant hand**, the select **Left handed** or **Right handed** (default).
3. Tap **Hovering pen icon** to display the hovering pen icon whenever your pen tip is near the screen.
4. Tap **Gesture** to read about the various pen gestures you can use.

Accessory Settings

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, tap **⊞** ➔ **Settings** ➔ **Accessory**.
2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.
4. Tap **Desk home screen display** to display the desk home screen whenever the phone is docked.
5. Tap **Audio output** to set your Audio output to Stereo or Surround.
6. Tap **Audio applications** to enable audio applications to appear in the quick panel whenever earphones are connected.

Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap **⊞** ➔ **Settings** ➔ **Date and time**.
2. Tap **Automatic date and time** to allow the network set the date and time.
3. Tap **Automatic time zone** to allow the network set the time zone.

Important! Deactivate **Automatic date and time** to manually set the date and the time.

4. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
8. Tap **Select date format** and tap the date format type.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from the Play Store and manage their use here.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Accessibility**.
2. Tap the **Auto-rotate screen** to automatically rotate the screen from landscape to portrait when you rotate your phone.
3. Tap the **Screen timeout** option to timeout the accessibility feature after a defined amount of time.
4. Tap the **Speak passwords** option to activate this feature which reads out password information.
5. Tap the **Answering/ending calls** option to be able to accept incoming calls by pressing the home key or end calls using the power key.

6. Tap the **Accessibility shortcut** option to allow the accessibility shortcut under the device options to be used by pressing and holding the power key.
7. Tap the **TalkBack** option to activate the TalkBack feature.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

8. Tap the **Font size** field to change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
9. Tap the **Text-to-speech output** field to adjust your text-to-speech settings. For more information, refer to *"Speech Settings"* on page 138.

10. Tap **Enhance web accessibility** if want to allow apps to install scripts from Google that make their Web content more accessible. Tap **Allow**.

11. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.

12. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc.

13. Tap the **Tap and hold delay** field to select a time interval for this action. Choose from: Short, Medium, or Long.

Developer Options

Use the Developer options to set options for application development.

Warning! The developer options are intended for development use only. They can cause errors to occur on your device and with the applications you have on it.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Developer options**.

2. Tap the ON/OFF slider, located to the right of the **Developer options** field, to turn ON ▭ ON .

3. The following options are available:

• **Desktop backup password**: allows you to protect your desktop with a backup password ID.

• **Stay awake**: with the Stay awake option enabled, your screen will never sleep while you are charging the phone.

• **Protect SD card**: requires apps to ask your permission before accessing data on your SD card.

• **USB debugging**: allows debugging when the device is attached to a PC by a USB cable.

• **Allow mock locations**: used by developers when developing location-based applications.

• **Select app to be debugged**: allows developers to select a specific app to debug.

• **Wait for debugger**: specified apps must have debugger attached before executing.

• **Show touches**: Displays touch interactions on the screen.

• **Show pointer location**: Highlights the data that was touched on the screen.

• **Show layout boundaries**: displays clip bounds, margins, etc.

- **Show GPU view updates**: flashes views inside windows when drawn with GPU.

- **Show screen updates**: Areas of the screen flash when they update.

- **Window animation scale**: Configure the scale for animation (ranges from off to 10x).

- **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from off to 10x).

- **Animator duration scale**: Configure the scale for duration when using animation (ranges from off to 10x).

- **Disable hardware overlays**: Assigns the work of rendering to the GPU.

- **Force GPU rendering**: allows the use of 2D hardware accelerations in applications.

- **Strict mode**: Makes the screen flash when applications perform long operations on the main thread.

- **Show CPU usage**: Screen highlights the current CPU usage.

- **GPU rendering profile**: Uses a 2D acceleration in applications.

- **Enable traces**: Enables/disables on-screen tracing based on an available parameter.

- **Do not keep activities**: destroys every activity as soon as the application is closed.

- **Limit background processes**: sets the number of processes that can run in the background.

- **Show all ANRs**: displays a prompt when applications running in the background are not responding.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

■ From the Home screen, tap ▦ ➔ **Settings** ➔ **About device**.

The following information displays:

- **Software update**: allows you to update your phone software, if available. For more information, refer to *"Software Update"* on page 147.

- **Status**: displays the battery status, the level of the battery (percentage), network, signal strength, mobile network type, service state, roaming status, mobile network state, the phone number for this device, IMEI number, IMEI SV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, and Up time.
- **Legal information**: This option displays information about Open source licenses as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press 🔙 to return to the Settings menu.
- **Model number**: displays the phone's model number.
- **Android version**: displays the android version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software, build number.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The AT&T Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **About device** ➔ **Software update**.
2. Tap **Check for updates**.
3. At the **AT&T Software update** prompt, tap **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, if there is no new software available, tap **OK**.

5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

Section 9: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Web

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

■ From the Home screen, tap **Browser** 🌐.
The AT&T/YAHOO! mobile homepage displays.

Navigating with the Browser

1. Tap an entry to select an item.
2. Sweep the screen with your finger in an up or down motion to scroll through a website.
3. Sweep the screen left to right to move laterally across a web page.
4. Press ⤺ to return to the previous page.

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser when you are in desktop view. Desktop view makes your screen appear more like your PC browser.

1. From your browser, press ▤ ➔ **Desktop view**.
   A checkmark will appear to show that the feature is activated.

2. After tapping on a link or article, use one of these methods:
   • **Tilting**: Tap and hold the screen at two points then tilt the device back and forth to reduce or enlarge the screen. You must first enable motion in the Settings section. For more information, refer to *"Motion"* on page 141.
   • **Double tap**: Quickly tap the screen twice on the web page to zoom in or out.
   • **Pinching**: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Browser Options

1. From the home page, press 🔲 to access the following options:

- **Home**: takes you to your Home page.
- **New window**: displays a new window so you can browse multiple URLs.
- **Add bookmark**: allows you to add a URL to your bookmark list.
- **Add shortcut**: allows you to add a shortcut to your Home screen.
- **Share page**: allows you to share the page using Gmail or as a message.
- **Find on page**: allows you to search in the current page.
- **Desktop view**: Your browser displays a website in a modified format that makes it easier to read. Desktop view displays a website the same way it would display on your PC.
- **Save for offline reading**: saves the web page so you can read it later even when offline.
- **Brightness**: allows you to adjust the brightness of your display.
- **Downloads**: displays the download history.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.

- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 153.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.

2. Enter the URL using the on-screen keypad.
The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. From the Google homepage, tap the **Web Search** field.

2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.

3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press ▤ ➔ **New window**.

   A new browser window is opened.

2. Tap 🔳 to see thumbnails of all open windows.

3. Tap a window listing to open up that Internet window.

4. Tap ⬤ at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap 🔳 ➔ 🈯 .

2. A new browser window displays.

Note: The incognito icon appears in the upper-left of the new browser window while you are in this mode.

To exit from the incognito window:

1. From your browser window, tap 🔳 ➔ ➕ (**New window**).

2. Scroll across the available windows and locate the incognito window.

3. Tap ⬤ next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites display in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap 🔖 .

   The Bookmarks page displays.

2. Press ▤ to display the following options:

- **List/Thumbnail view**: You can select **Thumbnail view** (default) to see a thumbnail of the webpage with the name listed, or you can select **List view** to see a list of the bookmarks with Name and URL listed.
- **Create folder**: Creates a new bookmark folder.
- **Change order**: Allows you to move pages around on the Bookmarks page. Touch and hold a bookmark icon, then move it to the desired location.
- **Move to folder**: Allows you to move a page to a folder.
- **Delete**: Deletes the selected bookmark.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
- **Open**: Opens the webpage of the selected bookmark.
- **Open in new window**: Opens the webpage in a new window.
- **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 152.
- **Add shortcut**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
- **Share link**: Allows you to share a URL address via Bluetooth, Gmail, or Messaging.

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- **Copy link URL**: Allows you to copy the URL address to use in a message.
- **Delete bookmark**: Allows you to delete a bookmark. For more information, refer to *"Deleting Bookmarks"* on page 153.
- **Set as homepage**: Sets the bookmark to your new homepage.

Adding Bookmarks

1. From any webpage, tap ☆ ➔ + **Add bookmark**.
2. Use the on-screen keypad to enter the name of the bookmark, the URL, and the Folder.
   The URL field automatically fills.
3. Tap **Save**.
   The URL saves to the appointed folder.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap **Save**.

Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the **Delete** confirmation window, tap **OK**.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap From any webpage, tap ![bookmark icon] ➔ **History**.

   A list of your most recently visited websites displays with Name and URL address.

2. Tap on a category such as **Today**, **Yesterday**, or **Most visited**.
3. Tap any entry to display the webpage.
4. Press ![menu icon] ➔ **Clear history** to delete the History list.
5. Tap **OK** at the **Clear** prompt.
   – or –
6. Press ![menu icon] ➔ **Settings** ➔ **Privacy and security**.
7. Tap **Clear history**, then tap **OK** at the "**Clear**" prompt.

Saved Pages

The Saved pages list provides you with a list of the websites that you saved for offline reading.

1. From the Home webpage, tap ![bookmark icon] ➔ **Saved pages**.

   A list of your saved webpages displays with the Name beneath the website icon. The webpages that were visited the most display at the top.

2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. From the Home screen, tap **Browser** ![browser icon] ➔ ![menu icon] ➔ **Settings**.
2. The following options are available:

   General

   • **Set home page**: Sets the current home page for the Web browser.

   • **Form auto-fill**: allows you to fill in web forms with a single tap.

   • **Auto-fill text**: allows you to enter text to be used in the Form auto-fill feature.

Privacy and security

- **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.
- **Show security warnings**: Notifies you if there is a security issue with the current website.
- **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
- **Clear all cookie data**: Deletes all current browser cookie files.
- **Remember form data**: Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.
- **Enable location**: Allows websites to request access to your location.
- **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.

- **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Enable notifications**: Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications**: Deletes website notification access information.

Accessibility

- **Force zoom**: allows you to override the website's request to control zoom.
- **Text size**: allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap using a slider bar, and minimize the font size using a slider bar.
- **Inverted rendering**: allows you to preview a website page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.

Advanced

- **Select search engine**: allows you to set your default search engine to Google, Yahoo!, or Bing.
- **Open in background**: New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.

- **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Allow multiple tabs per app**: Allows you to use multiple navigation tabs per application.
- **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
- **Default storage**: Allows you to set your default storage to Phone or Memory Card.
- **Website settings**: View advanced settings for individual websites.
- **Show browser bar**: Displays the browser bar at the bottom of the screen.
- **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
- **Open pages in overview**: Shows an overview of newly opened web pages.
- **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.

- **Block pop-ups**: Prevents popup advertisement or windows from appearing onscreen. Remove the checkmark to disable this function.
- **Text encoding**: Adjusts the current text encoding.
- **Reset to default**: Clears all browser data and resets all settings to default.

Bandwidth management

- **Preload search results**: Allows the browser to preload high confidence search results in the background to help speed up searches.
- **Page preloading**: Allows the browser to preload pages in the background.
- **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.

Labs

- **Quick controls**: allows you to open quick controls and hide the app and URL bars by swiping your thumb from the left or right edge of the screen.
- **Full screen**: allows you to access Full screen mode and hide the status bar.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity"and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap **▦** ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON **◼◼◼ ON**.

Connect to a Wi-Fi Network

1. From the Home screen, tap **▦** ➔ **Settings** ➔ **Wi-Fi**. The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, you will also need to enter your WAP's password.

5. Tap **Save** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From the Home screen, tap ▦ ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF ⬛.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.
2. Tap **Scan**.

All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 158.

Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of your device's Wi-Fi service, including:

- Setting your Wi-Fi sleep policy
- Viewing your device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Advanced Settings menu:

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.

2. Press ▤ ➔ **Advanced**.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap ▦ ➔ **Settings** ➔ **Wi-Fi**.

2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON ▮ ON .

3. Tap the **Wi-Fi Direct** button at the bottom of the screen.

4. Repeat **steps 1 - 3** on the other device you want to connect with. The steps on a different model of phone, may be different.

5. On your phone, tap **Scan**.
The device scans for other Wi-Fi Direct devices.

6. Once the device you want to connect to is displayed, tap on it.

7. The other device has 2 minutes to tap **OK** for the connection to be made.

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8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the 📶 icon will display at the top of your screen.

9. To change your Device name and Password, press ▤ ➔ **Rename device**.

10. For additional information about Wi-Fi Direct, press ▤ ➔ **Help**.

For more information, refer to *"Activating Wi-Fi Direct"* on page 114.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share, Share via,** or **Send via** option.

2. Tap the **Wi-Fi Direct** option.

3. Tap the connected device name. For example, Android_49ba.

4. The other device will receive a prompt to receive the information and must tap **OK**.

5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My files** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

1. From the Home screen, tap ▦ ➔ **AT&T Smart Wi-Fi 🐾**.

Note: The first time you use the AT&T Smart Wi-Fi, you will need to download the application from the Market. For more information, refer to *"Play Store"* on page 186.

2. At the **Install** screen, tap **Ok**.

3. Sign on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.

4. Follow the on-screen instructions to download the updated application from the Play Store.

5. Read the License Agreement and tap **Accept** to continue.

6. At the Welcome screen, tap **OK**.

7. At the Initial Setting screen, tap **Yes** if you want AT&T Smart Wi-Fi to automatically connect to any hotspot that is available for public use. Otherwise, tap **No**.

8. Follow the onscreen instructions to use AT&T Wi-Fi.

9. For more information on how to use this application, go to www.att.com/smartwifi.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and

Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap ▦ ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON ⬛ ON. When active, ✳ appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap ▦ ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF OFF ⬛.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

✳ Displays when Bluetooth is active.

✳ Displays when Bluetooth is connected (paired) and communicating.

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Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

• Entering or changing the name your device uses for Bluetooth communication and description

• Setting your device's visibility (or "discoverability") for other Bluetooth devices

• Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap ▦ ➔ **Settings**.
2. Verify your Bluetooth is ON ⬛ ON.
3. Tap **Bluetooth**.

To change your Bluetooth name:

1. From the Bluetooth settings page, press ▤ ➔ **Rename device**.
2. Enter a new name.
3. Tap **OK** to complete the rename process.

To make your device visible:

1. From the Bluetooth settings page, press ▤ ➔ **Visibility timeout**.

- Making your device visible allows it to be detected by other devices for pairing and communication.

2. Select a time that you would like your device visibility to time-out.

Note: Your device is visible for up to 120 seconds (2 minutes). This value appears as a countdown within this field.

To show received files:

■ From the Bluetooth settings page, press ▣ ➔ **Received files**.

A list of all files received from Bluetooth is displayed.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.

2. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.

2. Tap **Scan**. Your device will display a list of discovered in-range Bluetooth devices.

3. Tap a device from the list to initiate pairing.

4. Enter the passkey or PIN code, if needed, and tap **OK**.

5. The external device will then have to also accept the connection and enter your device's PIN code.

Once successfully paired to an external device, ⁂ appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a paired device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device.
3. Tap **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a paired device (unpair)

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the 🔅 icon next to the paired device that you want to unpair.
3. Tap **Unpair** to unpair the device from your phone.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From the Home screen, tap **Contacts** 👤.
3. Press ▤ ➔ **Import/Export** ➔ **Send namecard via**.

4. Tap each contact that you would like to send via Bluetooth. A green checkmark will appear next to each entry you select.

5. Tap **Done**.

6. Tap **Bluetooth**.

7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes. When you connect the device to a PC, you can synchronize files with Windows Media Player, transfer data to and from your device directly, or use the Kies air application to access your PC wirelessly.

Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Insert a memory card into the device to transfer files from or to the memory card to your PC.

2. From the Home screen, tap ▦ ➔ **Settings** ➔ **More settings** ➔ **USB utilities**.

3. On your phone, tap **Connect storage to PC**.

4. Connect the multifunction jack on your device to a PC using a PC data cable.

5. A pop-up window displays on the PC when connected.

6. On your phone, tap **Turn on USB storage**.

7. Tap **OK**.

Your phone will appear on your PC as a removable disk.

8. On the PC pop-up, click **Open folder to view files**.

9. Copy files between your PC and your memory card.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam. For information on NFC and NFC related features, see *"NFC"* on page 121.

Section 10: Applications

This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 37. You can also add an application icon as a Primary Shortcut that displays on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Applications menu. For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 38.

AllShare Play

This application wirelessly synchronizes your Samsung device with your TV, streams content, and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung's AllShare makes staying connected easy.

AllShare Play allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

AllShare Definitions:

AllShare	This uses the traditional DLNA technology for sharing multimedia (photos, videos, or music) to your Samsung Smart TV and other DLNA devices.
AllShare Play	This new feature builds on the previous AllShare feature. It includes features such as Web storage integration and social networking integration. This is a Web service that requires using a Samsung account.

AllShare Play/Group Cast	A subset feature of AllShare Play, this allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.
AllShare Cast (with Hub accessory)	This feature functions with an external Wi-Fi AllShareCast Hub connected to a TV. It allows you to fully mirror what is currently displayed on your device to the external TV.

Important! You must first connect both of your communicating devices to the same Wi-Fi network. For more information, refer to *"Wi-Fi Settings"* on page 114. You must also be signed on to your Samsung account prior to using this application. For more information, refer to *"Creating a Samsung Account"* on page 12.

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1. From the Home screen, tap ▦ ➔ **AllShare Play** . The AllShare Play screen is displayed.

2. Sign on to your Samsung account if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 12.

3. If prompted, read the on-screen message about network charges and tap **OK** to continue and return to the main AllShare Play screen.

4. Tap **Start** and follow the on-screen prompts to view the on-screen tutorial.
   The AllShare Play screen is displayed.

The application contains two separate streaming media options:

- **Registered storage**: allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.

- **Registered devices**: allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Configuring AllShare Settings

The AllShare Play™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap ▦ ➔ **AllShare Play** 📲.
2. Tap **Start**.
3. Press ▣ and then tap **Settings** and configure the following settings as desired:
    • **Registered storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use AllShare Play.
    • **Registered devices**: defaults to your phone. This indicates the source of the streaming images and videos. Use the main screen to add more external devices.
    • **Setting up web services**: allows you to set up external Web services by signing in to external sites such as Facebook, Twitter, YouTube, etc.
    • **Auto Upload**: allows you to setup automatic upload of images from your device to those storage locations specified within the Web storage list.

• **Video quality settings**: allows you to setup the video quality for streamed video content.
• **Lock AllShare Play**: allows you to restrict access to AllShare Play by requiring a user enter the currently active and associated Samsung account password. Tap **Locking AllShare Play** to activate/deactivate the feature.
• **Language**: allows you select a display language.
• **About this service**: displays application information.
• **Customer support**: allows you to contact the AllShare team via a new email from an available email account.

Sharing Media via AllShare Play to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare on the target device (such as an Internet TV, Samsung Tablet, etc.).
2. From the Home screen, tap ▦ ➔ **AllShare Play** 📲.
3. Tap your device name from the **Devices** list.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.

- Touch and hold to select multiple files.

- A file with **N** in the upper-left indicates it is stored remotely on a web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.

5. Tap an available on-screen file, image, or video to place a green check mark alongside it.

6. Tap **[icon]** (**Stream to connected devices**) to begin streaming the selected files.

7. On a target device (ex: Internet TV) select the on-screen Allow button to continue.

Note: At this stage your device is requesting access to share media with the external source.

8. Confirm **[icon]** (**AllShare Controller enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Amazon Kindle

This application allows you to download books, magazines, and newspapers to read on your phone.

1. From the Home screen, tap **[icon]** ➔ **Amazon Kindle** **[icon]**.

2. At the Kindle display, tap **Get Kindle for Android**.

3. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

4. Follow the on-screen instructions to download the application from the Play Store.

AT&T Code Scanner

AT&T Code Scanner allows you to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

1. From the Home screen, tap **[icon]** ➔ **AT&T Code Scanner** **[icon]**.

Note: The first time you use the AT&T Code Scanner, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 186.

2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

3. Read the Terms and Conditions and tap **Accept** to continue.

4. At the My Profile screen, tap **OK** to allow your location information to be used or tap **Don't Allow** to bypass.

5. Enter your information in the My Profile section.

6. Tap **ON** to activate your profile. This allows the application to customize your results. For example, your zip code may help to deliver a coupon for a restaurant in your neighborhood. You can toggle the activation button between ON and OFF.

7. Tap **Done**.

8. Read the tutorial and tap **Next** until you are at the end of the tutorial. Tap **Finish**.

9. Position your phone approximately 2-5 inches from the barcode. Ensure that the barcode is completely within the window. Keep your phone steady for best results.

10. The scanner will automatically scan the barcode. It may take several seconds.

11. After the scan, tap **Yes** to open the web page to view the information on the barcode that was scanned.

AT&T DriveMode

1. From the Home screen, tap ▦ ➔ **AT&T DriveMode** 📱.

2. View the Terms & Conditions and Privacy Policy, then tap **I Accept** to accept the terms and policy conditions.

3. Read the **Drive without distraction!** notice, then tap **Continue**.

   A default AutoReply message displays.

4. Backspace to remove the message, then create a new AutoReply message.

5. Tap **Next** to accept the default or changed message.

6. Tap the checkbox to the right of each AutoReply to activate or deactivate the feature, then tap **Next**.

   A checkmark indicates selection.

7. Tap Add a Contact and select up to 5 people to add to your Allow list. These are contacts that you can call/ receive calls from even while AutoReply is enabled. Tap **Save** after adding contacts.

8. Tap **Next** to confirm the Allow list contacts.

9. Tap **Enable** (default) if you want to automaticaly enable DriveMode when you are driving, or **Disable** if you do not want it automatically enabled.

Note: Your phone's GPS determines when you are traveling over 25 MPH.

10. Tap **Finish**, then read **Take the Pledge**.

11. Tap **Continue** to complete application setup.

12. Tap the steering wheel to begin using DriveMode.

The 🚗 icon will appear at the top of your display in the status bar.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private.

1. From the Home screen, tap ▦ ➔ **AT&T FamilyMap** 🔶.

Note: The first time you use AT&T Family Map, you will need to download the application from the Play Store. For more information, refer to *"Play Store"* on page 186.

2. At the AT&T FamilyMap Sign In webpage, enter your Phone Number and Password in the appropriate fields and tap **Submit**.

Note: To sign up for service, visit http://www.att.com/familymap for more information.

3. Follow the on-screen instructions.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud. For more information, refer to *"AT&T Locker"* on page 81.

AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important! You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

1. From the Home screen, tap ▦ ➔ **AT&T Navigator** ◆.

2. Read the **Terms of Service** and tap **Accept** to acknowledge the terms of use.

   The first time that you use AT&T Navigator, the necessary files will be downloaded. The AT&T Navigator main screen displays.

3. Tap an AT&T Navigator plan that you choose to purchase.

4. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"Setting up your Phone with Ready2Go"* on page 11.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use. For more information, refer to *"AT&T Smart Wi-Fi"* on page 159.

Browser

The Browser is your access to the mobile web. For more information, refer to *"Accessing the Mobile Web"* on page 149.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. Turn the phone to the landscape position to use the scientific functions. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap ▦ ➔ **Calculator** ▦.

2. Enter the first number using the on-screen numeric keys.

3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.

4. Enter the second number.

5. To view the result, tap equals (**=**).

6. To view calculator history, tap <u>▼</u> located at the top of the calculator buttons. A history of your past calculations displays. Tap <u>▼</u> again to display the calculator keypad.

7. To clear the calculator history, press ▤ ➔ **Clear history**.

8. To change the text size, press ▤ ➔ **Text size**. Tap Small, Medium, or Large.

9. Press ▤ ➔ **One-handed operation on** to shift the keyboard to the right so you can use the calculator using one hand.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, **Calendar** 31 .

2. Tap 📆 (**Show More**) to display these tabs:
   • **Year**: displays the Year view.
   • **Month**: displays the Month view.

• **Week**: displays the Week view.
• **Day**: displays the Day view.
• **List**: displays the List view.
• **Task**: allows you to search for tasks.

3. Tap ➕ (**Create event**) to create a new Calendar event.

4. Tap **Today** to display the current date indicated by a blue box.

5. Tap **Calendars** to select the calendar options that you want displayed.

6. Press ▤ and select one of the following options:
   • **Go to**: displays a specific date.
   • **Delete**: allows you to delete All events, All events before today, or an individual event.
   • **Search**: allows you to search within your current events.
   • **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
   • **Settings**: displays a list of configurable settings.

7. Tap ▦ (**Handwriting mode**) to activate handwriting mode. This allows you to jot down freehand notes using your S pen or finger.

Calendar Settings

1. From any Calendar view, press ▤ ➔ **Settings**.

2. Tap **Month view styles** and select an option.

3. Tap **Week view** and select a type: **Timeline** or **Analog**.

4. Tap **First day of week** and select either **Local default, Saturday, Sunday** or **Monday**.

5. Tap **Hide declined events** to activate this option. A check mark indicates selection.

6. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.

7. Tap **Show week number** to display the week numbers along the side of the week entries.

8. Tap **Calendars** and select the type of general synchronization settings you want. A check mark indicates selection.

9. Tap **Handwriting settings** and configure handwriting-related calendar settings such as: First day of week and Show week number.

10. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.

11. Tap **Select ringtone** to assign a ringtone to a calendar event notification.

12. Tap **Vibration** to set the Event notification tone to vibrate.

13. Tap **Default reminder time** to assign a default time frame for event reminders.

14. Tap **Notifications while screen is off** to display notifications on the full screen while it is turned off.

15. Tap **Quick responses** to select quick responses to emailing guests.

16. Tap **Swipe with two fingers** to change the way events are displayed when swiped.

Camera

Use your 8.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to *"Camera"* on page 92.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC. For more information, refer to *"ChatON"* on page 112.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap ▦ ➔ **Clock** ⊗ ➔ **Alarm** ➔ **Create alarm**. The following options display:
   • **Time**: tap ▲ (**Up**) or ▼ (**Down**) to set the new time for the alarm to sound. Tap AM or PM.

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• **Alarm repeat**: use this option to set the repeating status for the alarm by tapping on the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.

• **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).

• **More**: displays the following additional options:

  – **Alarm volume**: drag the slider to adjust the alarm's volume.

  – **Alarm tone**: sets the sound file which is played when the alarm is activated. Select an option or tap Add for additional options.

  – **Location alarm**: when activated, the alarm only sounds when you are at a specific location. Touch and slide the slider to the right to turn it on [ON] then follow the on-screen instructions to enter a location.

  – **Snooze**: use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Touch and slide the slider to the right to turn it on [ON].

– **Smart alarm**: tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone. Touch and slide the slider to the right to turn it on ![ON].

– **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap **Save** to store the alarm details.

Turning Off an Alarm

■ To stop an alarm when it sounds, touch and drag the ![x] icon in any direction.

Setting the Snooze Feature

■ To activate the Snooze feature after an alarm sounds, touch and drag the ![zz] icon in any direction. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 174.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap ![grid] ➔ **Clock** ![clock] ➔ **Alarm** ➔ ![menu] ➔ **Delete**.

2. Tap the alarm or alarms you wish to delete. A green checkmark displays next to each selection.

3. Tap **Delete**.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap ![grid] ➔ **Clock** ![clock] ➔ **World Clock**. The clock for your time zone displays.

2. Tap **Add city** to add another city to the World Clock.

3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.

4. Tap the city you want to add. The clock for that city displays.

5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.

6. Select **Automatic**, **Off**, or **1 hour**.

7. If Daylight Savings Time is selected, the sun symbol on the World Clock listing displays orange.

Deleting a World Clock Entry

1. From the Home screen, tap ▦ → **Clock** ◷ → **World clock** → 🔲 → **Delete**.

2. Tap the city clocks you wish to delete.

3. Tap **Delete**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ▦ → **Clock** ◷ → **Stopwatch**.

2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.

3. Tap **Stop** to stop the stopwatch.

4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ▦ → **Clock** ◷ → **Timer**.

2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.

3. Tap the **Hours** field to set hours if desired. As you tap different fields, they highlight.

4. Tap the **Seconds** field to set seconds.

5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.

6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap ▦ → **Clock** ◷ → **Desk clock**.

The default Desk clock displays.

2. Tap the expand icon ▓ to expand the Desk clock and view more options such as: **Alarm**, **Music Player**, **Gallery**, **Browser**, and **S Note**.

3. To make changes, tap ▤ ➔ **Settings**.

4. The following options display:
   - **Hide status bar**: hides the status bar on the display.
   - **Wallpaper**: select **Default**, **Gallery**, or **Same as home screen**.
   - **Calendar**: when this is checked, the time, day, and date displays. Tap to uncheck.
   - **Weather**: when this is activated, the location, temperature, and weather condition is displayed. Touch and slide the slider to the right to turn it on ██ ON.
   - **Dock**: allows you to set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, and Audio output.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

For more information, refer to *"Contacts and Your Address Book"* on page 70.

Crayon Physics

Crayon Physics Deluxe is a game the uses two-dimensional physics, including gravity, mass, kinetic energy and transfer of momentum. The objective of the game is to guide a ball from a starting point so that it touches all of the stars placed on each level.

1. From the Home screen, tap ▦ ➔ **Crayon physics** 🎨.

2. Follow the on-screen instructions to play the game.

DeviceHelp

DeviceHelp provides online information to help with your phone questions.

1. From the Home screen, tap ▦ ➔ **DeviceHelp** 📱. The **AT&T Device Help** screen displays.

2. Follow the on-screen instructions for accessing helpful information.

Downloads

The Downloads application allows you to manage all of your downloads from the Play Store and the Browser.

1. From the Home screen, tap ▦ ➔ **Downloads**. All of your downloads are listed.

2. Tap the **Internet Downloads** tab to see all of the downloads you have made from the Browser.

3. Tap the **Other Downloads** tab to see all other downloads.

4. Tap **Sort by size** to see your downloads sorted in size order.

5. Tap **Sort by date** to see your downloads sorted in date order.

Email

Email enables you to send and receive email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 107.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap ▦ ➔ **Flipboard** ▣.

2. Tap **Get started**, select some on-screen categories and tap **Done** to create a new profile.

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– or –

Tap **Sign In** to log into your previously created profile.

3. Follow the on-screen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 89.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 109.

Google

The Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *"Google Search Bar"* on page 31.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google +"* on page 111.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 84.

Local

Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

1. From the Home screen, tap ▦ ➔ **Local** 🏷️.
2. Tap on one of the business categories to search for a particular business.

    All of the business categories that are close to you will be displayed.

3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have an active data connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the Use GPS satellites option.

1. From the Home screen, tap ▦ ➔ **Settings** 🎛️ ➔ **Location services**.

2. Tap the **Use GPS satellites** field. A green checkmark displays next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your phone in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap ➔ **Maps** .
   A map displays with your location in the very center.

2. Icons for the following options are displayed at the bottom of the screen:

 Search: allows you to search for a place of interest.

 Directions: displays navigation directions to a location from a starting point.

 Local: find Restaurants, Cafes, Bars, Attractions, and other businesses.

 Layers: additional items that you can have displayed on your map. They include Traffic, Satellite, Terrain, Transit Lines, Latitude, My Maps, Bicycling, and Wikipedia.

3. Press to display additional options.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 81.

Messages

The AT&T Messages app brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 112.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 100.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 111.

Mini Diary

The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. You can publish your diary entries to Facebook.

Important! A network connection is required to use Mini Diary. This may incur charges.

1. From the Home screen, tap ▦ ➔ **Mini Diary** .
2. Tap **Create diary** and touch **Yes** at the Network information screen to acknowledge possible charges for Mini diary use.
3. Tap the **Tap to add photo** field to add a photo.
4. Tap **Camera** to take a new picture, **Gallery** to add a photo from your Gallery, or **S Note** to add an image from S Note.
5. Tap the **Add location** field to add your location then tap **Done**. If you have GPS activated, your present location will be added.
6. Tap the **Tap to add text** field to add text to your diary then tap **Done**.
7. Tap **Done**.
   The dairy entry is added to your Mini Diary with today's date.
8. While in a diary entry that has been previously saved, press ▤ to display the following options:
   • **Delete**: allows you to delete a diary entry.
   • **Go to**: allows you to go to a selected date on the Calendar.

- **Change photo**: allows you to change your photo if you have already added one. This option only displays if a photo has been added.
- **Delete photo**: allows you to delete your photo. This option only displays if a photo has been added.
- **Share via**: allows you to send your Diary entry by Email or Messaging.

9. At the Mini Diary screen, press ▤ to display the following options:
   - **Search**: allows you to search your diaries for a particular word or words.
   - **Sort by**: allows you to sort by Date or Location.
   - **Delete all**: allows you to delete all diary entries.
   - **Settings**: allows you to select **Auto update** which will update your Selected city based on GPS.

Mobile Hotspot

This application allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot. For more information, refer to *"Tethering & portable hotspot"* on page 118.

Music Player

Music allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 84.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap ▦ ➔ **My Files** 📁.
2. The following folders display:
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Camera** to view the picture or video files.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **external_sd**: this folder displays all of the files that you have on your memory card.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.

Note: Different folders may display depending on how your phone is configured.

myAT&T

The myAT&T application allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Initial Setup

1. From the Home screen, tap ▦ ➔ **myAT&T** 🔴.
2. Sign into your Google Account. If you haven't set up an account, see *"Creating a New Google Account"* on page 12.
3. After signing into your Google Account, the Google Play Store displays the **myAT&T** application.
4. Follow the on-screen instructions to download the app.

Using myAT&T

1. From the Home screen, tap ▦ ➔ **myAT&T** 🔴. The **myAT&T** page displays.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **Wireless #** and **Password** using the onscreen keypad, then tap **Login**.
4. Follow the on-screen instructions.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Play Store.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap ▦ ➔ **Navigation** ▲.
2. Read the Navigation information page and tap **Accept** to continue or **Don't accept** to exit.
3. Select one of the following options:
   - **Speak destination**: allows you to speak your destination.

- **Type destination**: allows you to use the keypad to enter your destination.
- **Go home**: takes you to your home address. The first time you are prompted to enter it.
- **Map**: takes you to the map location of your present location using GPS.
- **Recent Destinations**: allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.

4. Follow the on-screen instructions.

Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using a Physical Address

1. From the Home screen, tap ▦ ➔ **Navigation** ▲.

2. Tap either **Speak Destination** or **Type Destination**.

3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want.

The route will be displayed.

4. If speaking the address, the Voice guidance screen is displayed. For voice-guided navigation you need to install text-to-speech support from the Play Store. Tap **Install** to install the application or tap **Skip** to exit.

Note: You will need to be signed on to your Google account before downloading applications from the Play Store. For more information, refer to *"Play Store"* on page 186.

5. As you drive the route display will be updated and you will receive voice-guided navigation directions.

6. Tap ▤ for additional options.

Paper Artist

Paper Artist provides access to an in-device graphics program. You can start from an empty canvas or import a picture from your Gallery to get you started.

1. From the Home screen, tap ▦ ➔ **Paper Artist** 🎨.

2. Follow the on-screen instructions.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 46.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap ▦ ➔ **Play Books** 📙.
2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
3. Follow the on-screen instructions for using the Books applications.

Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

1. From the Home screen, tap ▦ ➔ **Play Magazines** 📰.

2. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.
3. At the **Welcome!** display, tap the shop icon 🛒 to browse the full catalog.
4. Sweep the screen to the left or right to view Categories, Featured, Top Selling, and New Arrivals.
5. Tap a magazine to see more information and subscribe.
6. Follow the on-screen instructions to subscribe to a magazine.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 83.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap ▦ ➔ **Play Music** 🎧.
2. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
3. Follow the on-screen instructions for using the Music applications.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Creating a New Google Account"* on page 12.

1. Sign on to your Google account if you have not already done so.
2. From the main Home screen, tap **Play Store** 🛒.

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3. The first time you sign in, the Play Store Terms of Service display. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps**, **Music**, **Books**, **Magazines**, **Movies & TV**, **Games**, or any other category displayed to download or purchase games or applications. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

Polaris Office 4.0

Polaris® Office 4.0 is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap ▦ ➔ 📘 **Polaris Office 4.0**.
2. Enter your Email information (if desired) and touch **Register** in the top right-hand corner of the display to complete the process.

   – or –

   Touch **Skip** to ignore this registration.

3. Follow the on-screen instructions to use Polaris Office 4.0.

S Note

Use this application to create notes with productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect.

1. From the Home screen, tap ▦ ➔ **S Note** 📒 .
   The S Note screen displays.

2. Read the information at the **Learn about application** pop-up and tap **OK**.

3. Tap 📧 ➔ **Tutorial** from the main S Note screen to learn more about the application, then follow the on-screen instructions.

S Note Lite

S Note Lite is an application that you can launch from any screen to take quick notes or jot down ideas. It's a great way to take notes during a phone call or write down ideas while surfing the web.

To launch S Note Lite, follow these steps:

1. From any screen, hold the S Pen button and double-tap the screen.

Press S Pen button

2. Enter your note using the keypad or the S Pen.

3. Tap ✓ when you are finished. Notes are saved in the S Note folder.
   • From the main Home screen, tap 📒 . to see all of your S Notes.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

1. From the Home screen, tap ▦ ➔ 🅢 **S Suggest**.
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field then tap **Agree**.
4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info.
5. Follow the on-screen download and installation instructions.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 114.

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 110.

Video Player

The Video Player application plays video files stored on your memory card. For more information, refer to *"Video Player"* on page 88.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using AllShare Play, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap ▦ ➔ **Voice Recorder** 🎙.
2. To start recording, tap **Record** 🔴 and speak into the microphone.

3. During the recording process you can either tap **Stop**
   ⬛ to stop and save the recording or **Pause** ⏸ to
   temporarily halt the recording. After pausing, tap
   Record 🔴 to resume recording. Once the audio
   recording has stopped, the message is automatically
   saved. Tap **Cancel** ❌ to cancel the recording
   without saving.

4. Tap **List** 🗐 to display a list of all your voice
   recordings. Tap a voice recording to play it.

5. Press 🔲 to display the following options:
   • **Share via**: allows you to share your recording using Bluetooth,
     Email, Gmail, Messaging, or Wi-Fi Direct.
   • **Delete**: allows you to delete 1 or more voice recordings. Tap
     the recordings to delete and tap **Delete**.
   • **Settings**: the following settings are available:
     – **Storage**: allows you to choose where your recordings will be
       saved. Select between Phone or memory card.
     – **Recording quality**: allows you to set the recording quality to
       High or Normal.

   – **Limit for MMS**: allows you to select On or Off. If you Limit for
     MMS by selecting On, you will be assured that the recording can
     be sent in a message.
   – **Contextual filename**: (requires GPS tagging) allows you to
     adjust the filename based on contextual information such as
     your current GPS location.
   – **Default name**: allows you to choose the name prefix for your
     recordings. For example, if your Default name is Voice, your
     recordings would be named Voice 001, Voice 002, Voice 003,
     etc.
   • **End**: allows you to close the application.

Voice Search

The Google Voice Search application allows you to search the
web using only your voice.

1. From the Home screen, tap ▦ ➔ **Voice Search** 🎤.

2. When the Google Voice Search screen displays, speak
   the word or words that you would like to search for on
   the internet.

3. If the timer expires and the mic icon changes from red
   to gray, tap the mic icon and speak the word or words
   that you would like to search for on the internet.

Results are displayed on your phone.

4. The following options are available at the bottom of your screen:
   - **Web**: After selecting a different option, tap Web to return to the original search results.
   - **Images**: Displays images for your search.
   - **Places**: Displays places and businesses in your local area pertaining to your search.
   - **More**: After tapping More, sweep your screen to the left to see additional options such as News, Shopping, Videos, Blogs, Discussions, and Books.

Voice Talk

With the Voice Talk application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

For more information, refer to *"Voice Talk"* on page 52.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie

clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap ▦ → **YouTube** [You Tube].
2. Tap the search field 🔍 to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. To watch a high quality video, press ▤ and then tap **Settings** → **General** → **High quality on mobile**.
5. To configure your settings, press ▤ and then tap **Settings**.
6. Press ▤ and then tap **Help** for additional information.

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** or **Install** then follow the onscreen instructions. For more information, refer to *"Play Store"* on page 186.

1. From the Home screen, tap ▦ ➔ **YPmobile** YP.

2. Sign on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.

3. Read the End-User License Agreement (EULA) and tap **Accept** to continue.

4. Your location is found using GPS. Tap **OK** to allow YPmobile to use your current location.

5. Tap the **Find a business nearby!** field.

6. Enter information in the **What:** and **Near:** fields and tap **Search**.

7. Results will be displayed.

8. Tap 📍 to see the locations marked with pins on the map.

9. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in.

10. Tap a pin to read information about the location.

11. Tap 🔳 to display additional options.

Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at

http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

• Reduce the amount of time spent using your cell phone;

• Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

• Reduce the amount of time spent on the cell phone;

• Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

• FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/.

• Environmental Protection Agency (EPA):
  http://www.epa.gov/radtown/wireless-tech.html.

• Occupational Safety and Health Administration (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/.
  (Note: This web address is case sensitive.)

• National Institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/.

• World Health Organization (WHO):
  http://www.who.int/peh-emf/en/.

• International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de.

• Health Protection Agency:
  http://www.hpa.org.uk/Topics/Radiation/.

• US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/ RadiationEmittingProductsandProcedures/ HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This [mobile phone/tablet/device] has a FCC ID number: A3LSGHI717 [Model Number: SGH-I717] and the specific SAR levels for this [mobile phone/tablet/device] can be found at the following FCC website: http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for

typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

• Use a hands-free device;

• Secure your phone within easy reach;

• Place calls when you are not moving;

• Plan calls when your car will be stationary;

• Do not engage in stressful or emotional conversations;

• Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;

• Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

• **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

• **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

• **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.

• **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

• **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

• **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

• **Never use any charger or battery that is damaged in any way**.

• **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:
 http://pages.samsung.com/us/recyclingdirect/
usactivities_environment_samsungrecyclingdirect_locations.jsp
.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/
index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

 http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

> **FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.**
>
> **IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.**
>
> > **DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.**
> >
> > FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

• Always tell the emergency responder your location to the best of your ability; and

• Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. From the Home screen, tap 📞 and use the on-screen keypad.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap 📞 to make the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

• Always turn the volume down before plugging the earphones into an audio source.

• Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

• Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

• When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

• Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/
default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/
default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

• Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;

• Should not carry the mobile device in a breast pocket;

• Should use the ear opposite the implantable medical device to minimize the potential for interference;

• Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;

• Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.

M3 + M2 = 5

T3 + T2 = 5
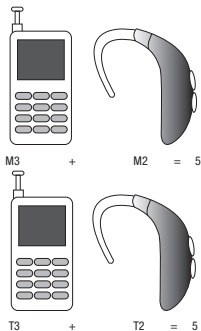
The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.

- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.

- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.

- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.

- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.

- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("Samsung Electronics Co.") for software, owned by Samsung Electronics Co. and its affiliated companies and its third party suppliers and licensors, that accompanies this EULA, which includes computer software and may include associated media, printed materials, "online" or electronic documentation

("Software"). **Samsung Electronics Co. is a separate company from the company that provides the limited warranty for this mobile device, Samsung Telecommunications America, LLC.**

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